

FIG. 1

The diagram illustrates the Preprocessor Module (110) and its interactions. On the left, four inputs are shown: APPLICATION BINARY (210), LIBRARIES (220), CONFIGURATION FILES (230), and DATA FILES (240). These inputs feed into the central PREPROCESSOR MODULE (110). On the right, four outputs are shown: MODIFIED BINARIES (215), MODIFIED LIBRARIES (225), MODIFIED CONFIGURATION FILES (235), and MODIFIED DATA FILES (245). Below the module, a dashed box contains three categories of information: EXECUTION ENVIRONMENT INFORMATION (250), DIRECTORY STRUCTURES SECURITY INFORMATION (260), and SYSTEM INFORMATION (260). An arrow labeled 'NEW' points to the SYSTEM INFORMATION category.

FIG. 2

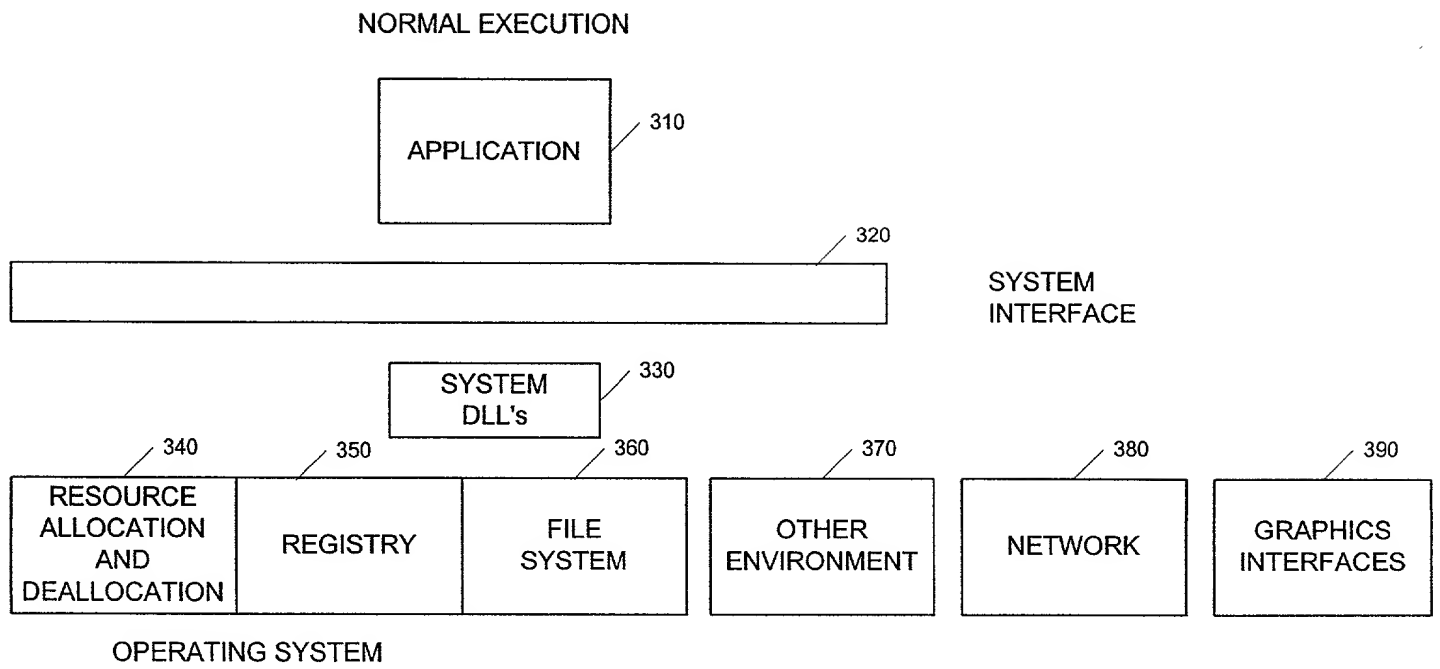


FIG. 3

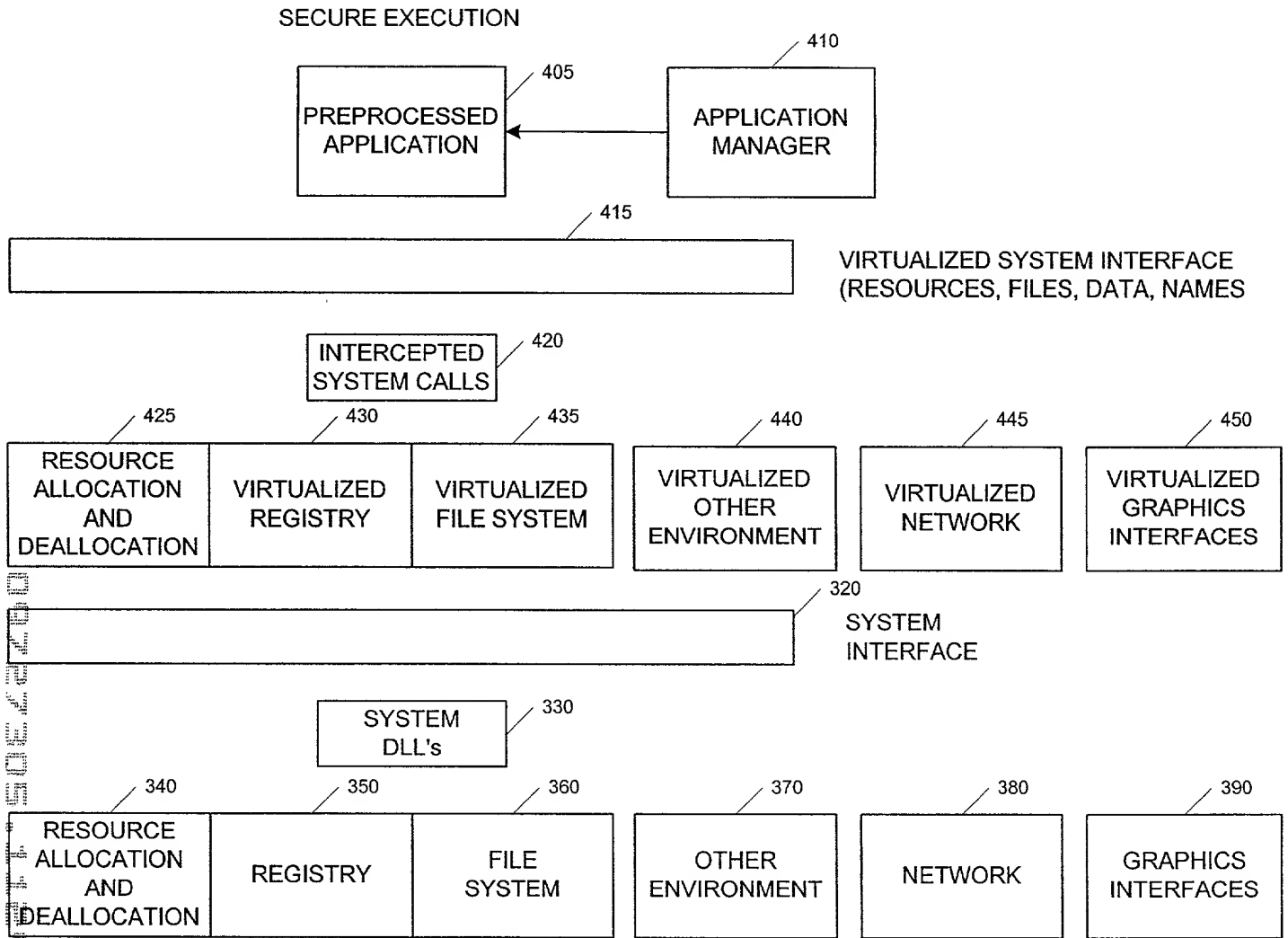


FIG. 4

```
graph TD; BEGIN([BEGIN]) --> 510[COMPILE SOURCE CODE INTO OBJECT CODE]; 510 --> 520[PREPROCESS APPLICATION PACKAGE FOR EXECUTION IN THE SECURE CLIENT ENVIRONMENT]; A((A)) --- 520; 520 --> 530[APPLICATION MANAGER ON CLIENT RETRIEVES MODIFIED OBJECT CODE FROM SERVER]; 530 --> 540[INITIALIZE APPLICATION PACKAGE AND PATCH LIBRARIES]; B((B)) --- 540; 540 --> 550[VIRTUALIZE INTERCEPTED CALLS DURING EXECUTION]; C((C)) --- 550; 550 --> 560[TRANSMIT RESULTS TO SERVER]; 560 --> RETURN([RETURN]);
```

The flowchart illustrates the process of executing an application package in a secure client environment. It begins with a 'BEGIN' terminal, followed by a process block '510' labeled 'COMPILE SOURCE CODE INTO OBJECT CODE'. This leads to process block '520' labeled 'PREPROCESS APPLICATION PACKAGE FOR EXECUTION IN THE SECURE CLIENT ENVIRONMENT', which is associated with label 'A'. The next step is process block '530' labeled 'APPLICATION MANAGER ON CLIENT RETRIEVES MODIFIED OBJECT CODE FROM SERVER'. This is followed by process block '540' labeled 'INITIALIZE APPLICATION PACKAGE AND PATCH LIBRARIES', associated with label 'B'. The subsequent step is process block '550' labeled 'VIRTUALIZE INTERCEPTED CALLS DURING EXECUTION', associated with label 'C'. This leads to process block '560' labeled 'TRANSMIT RESULTS TO SERVER', which finally leads to a 'RETURN' terminal.

FIG. 5

A 520

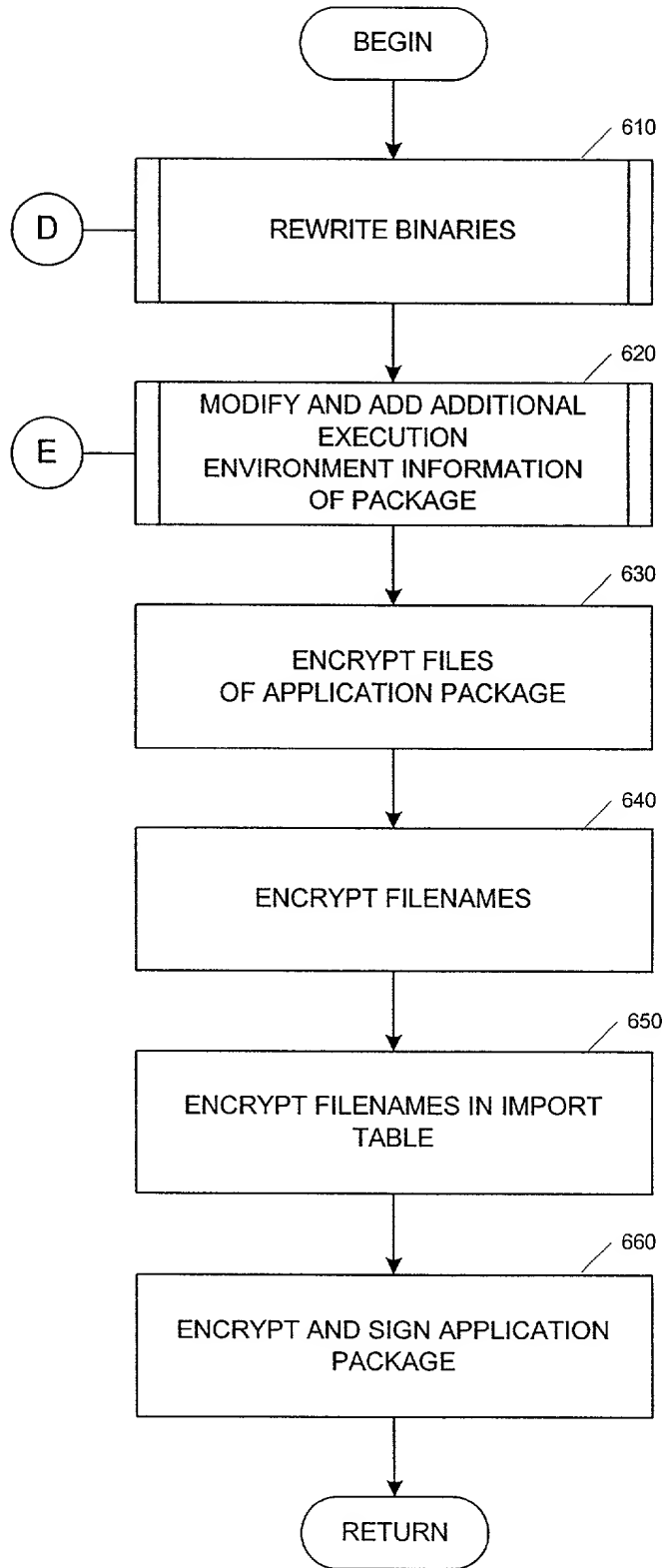


FIG. 6

D 610

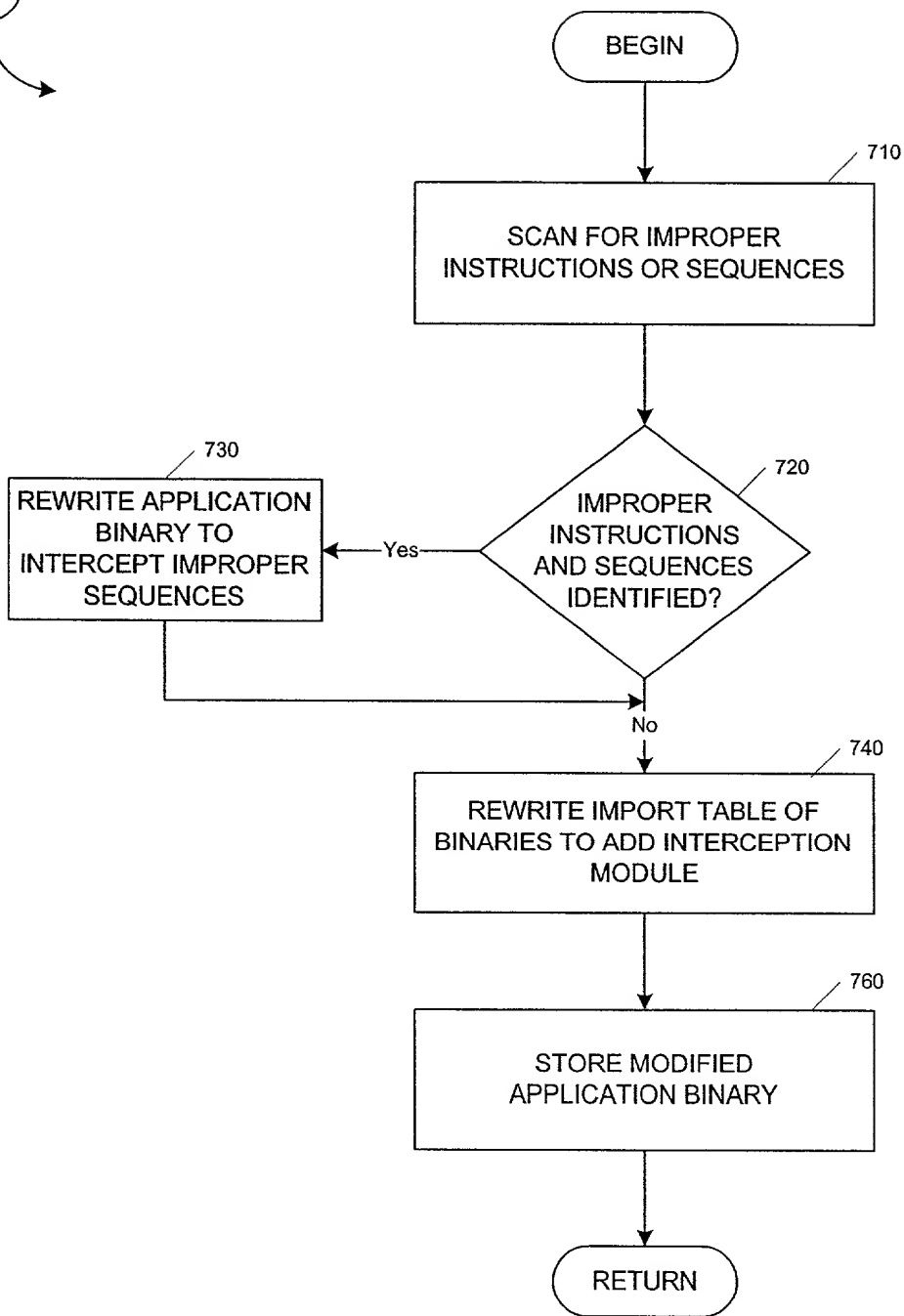


FIG. 7

E 620

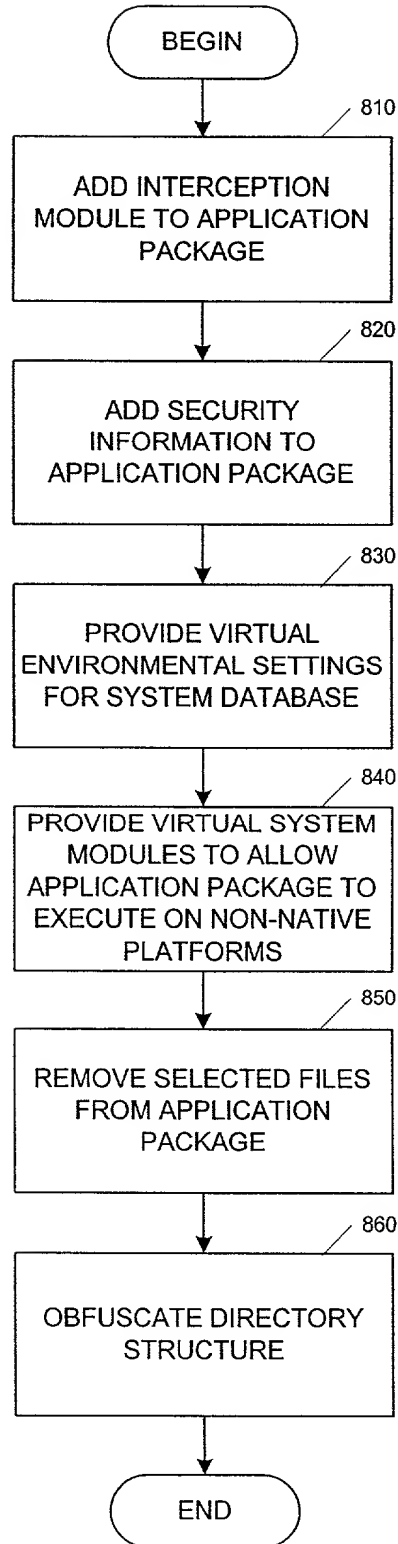


FIG. 8



B 540

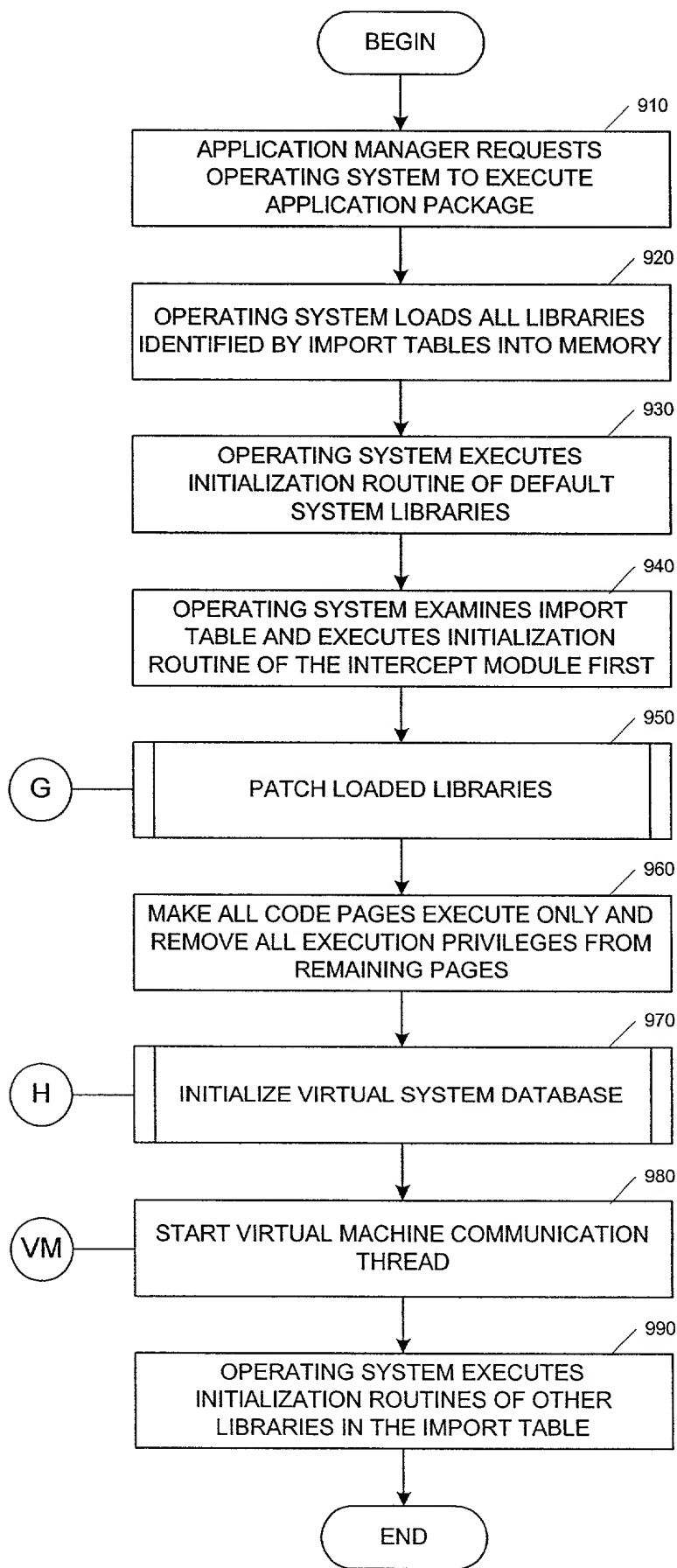


FIG. 9

G 950

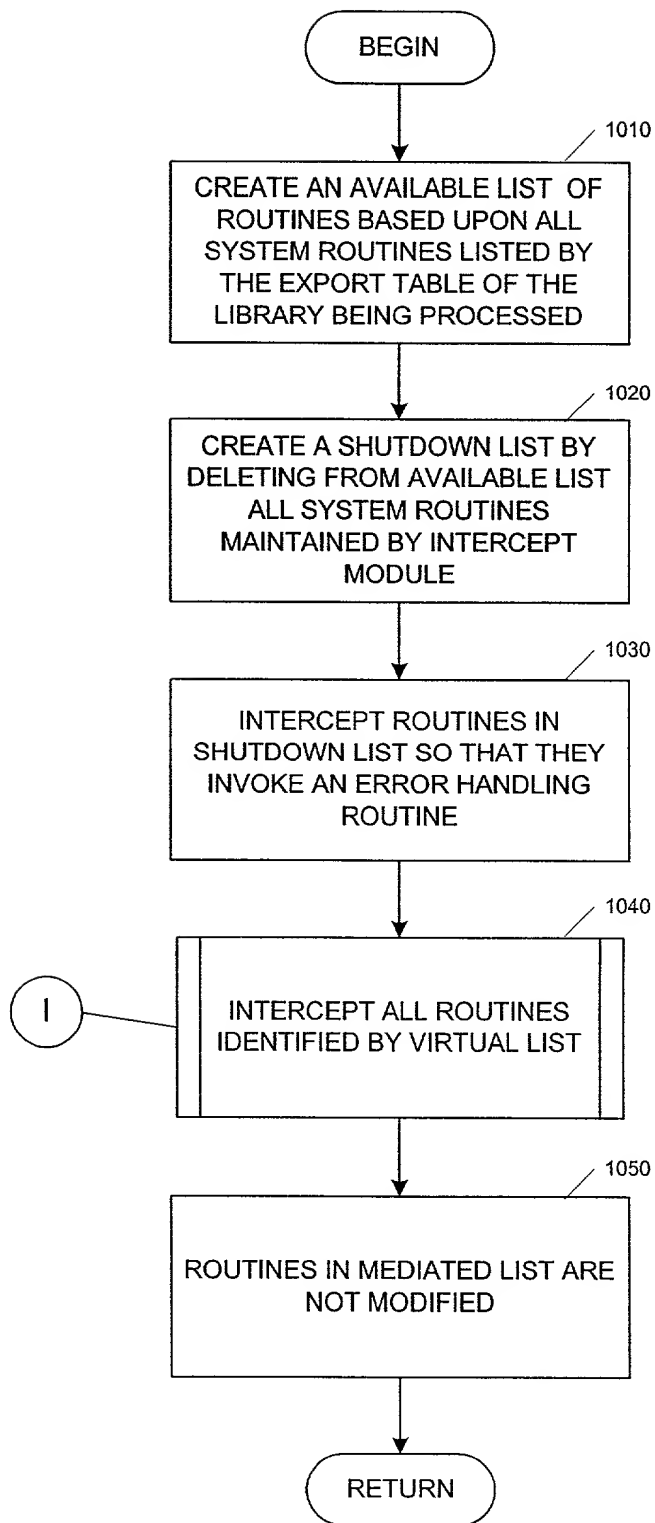


FIG. 10

1040

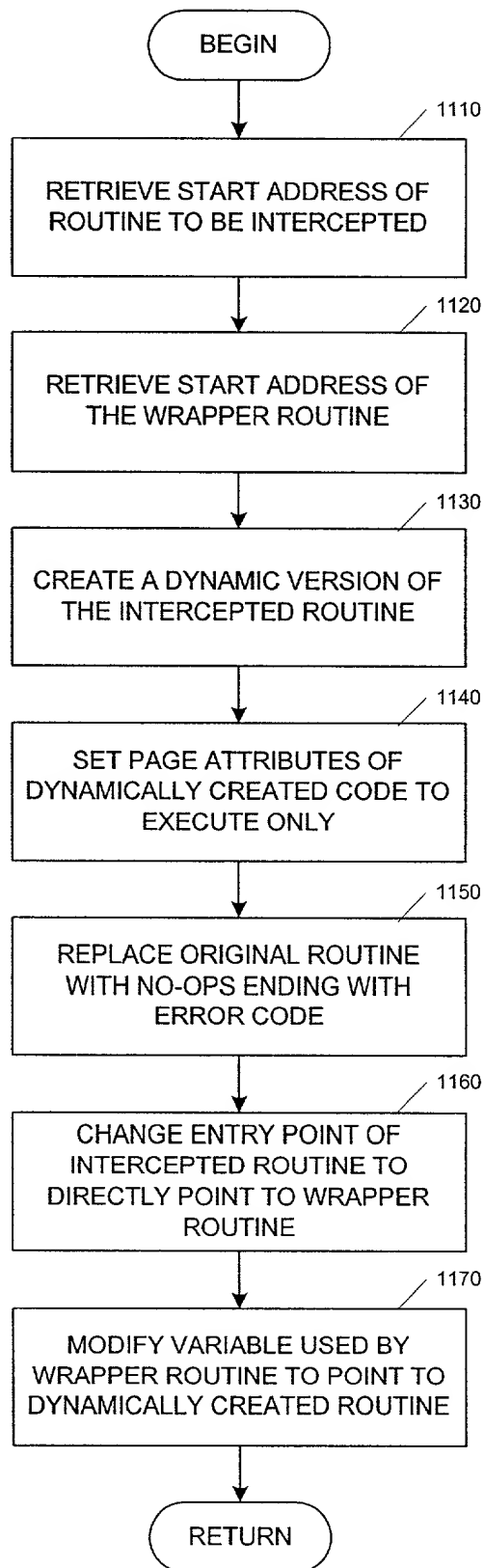


FIG. 11

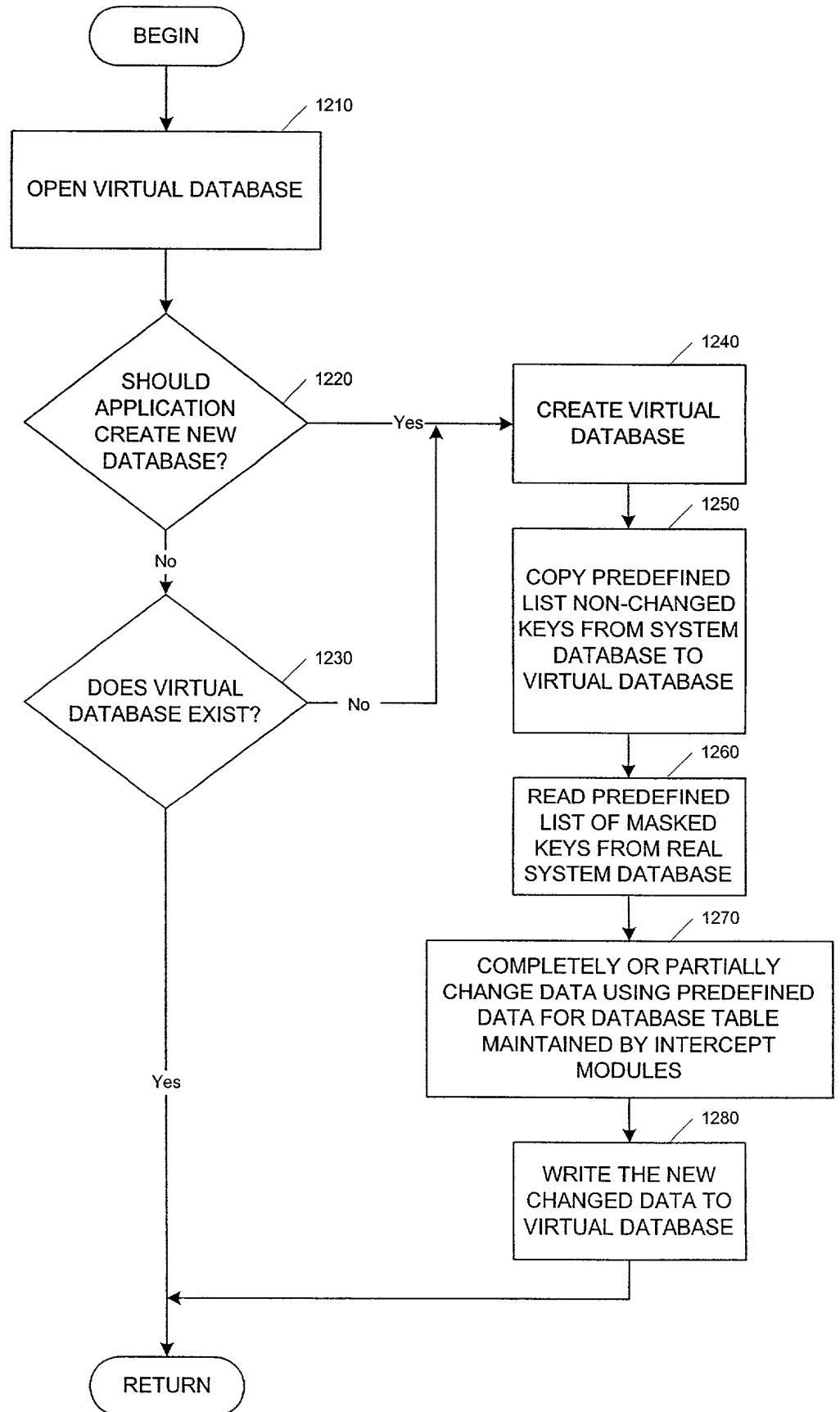


FIG. 12

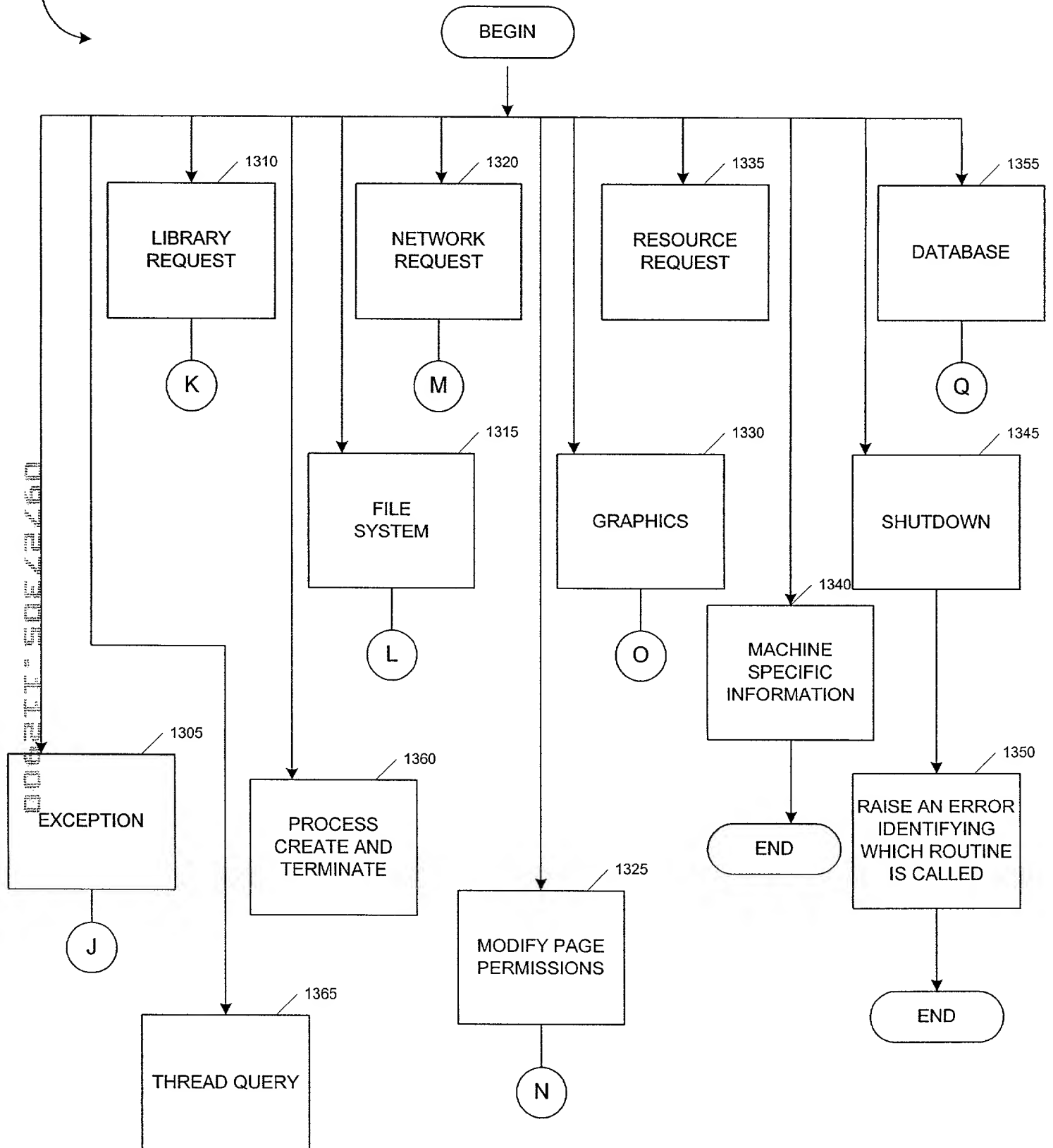


FIG. 13

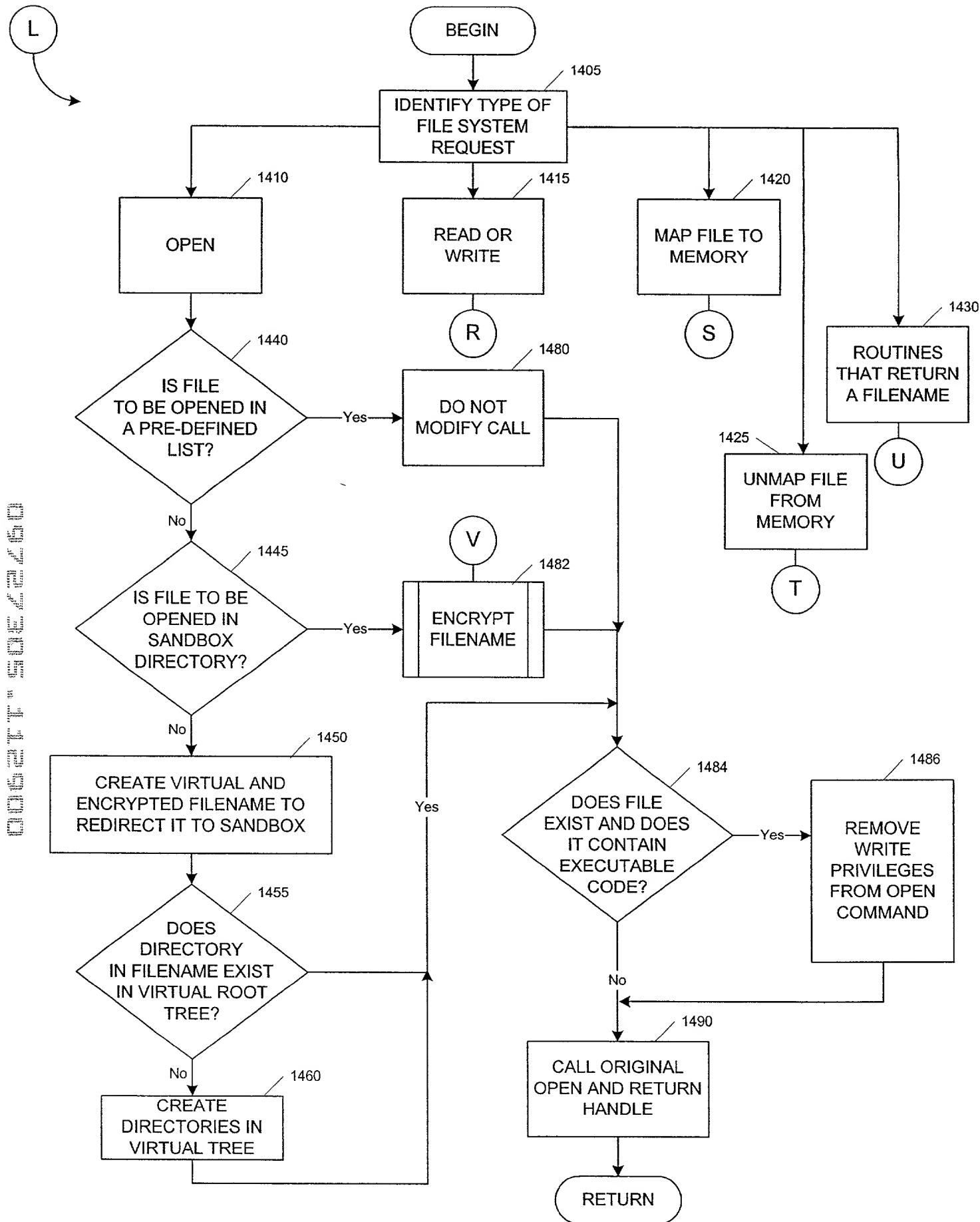


FIG. 14

J

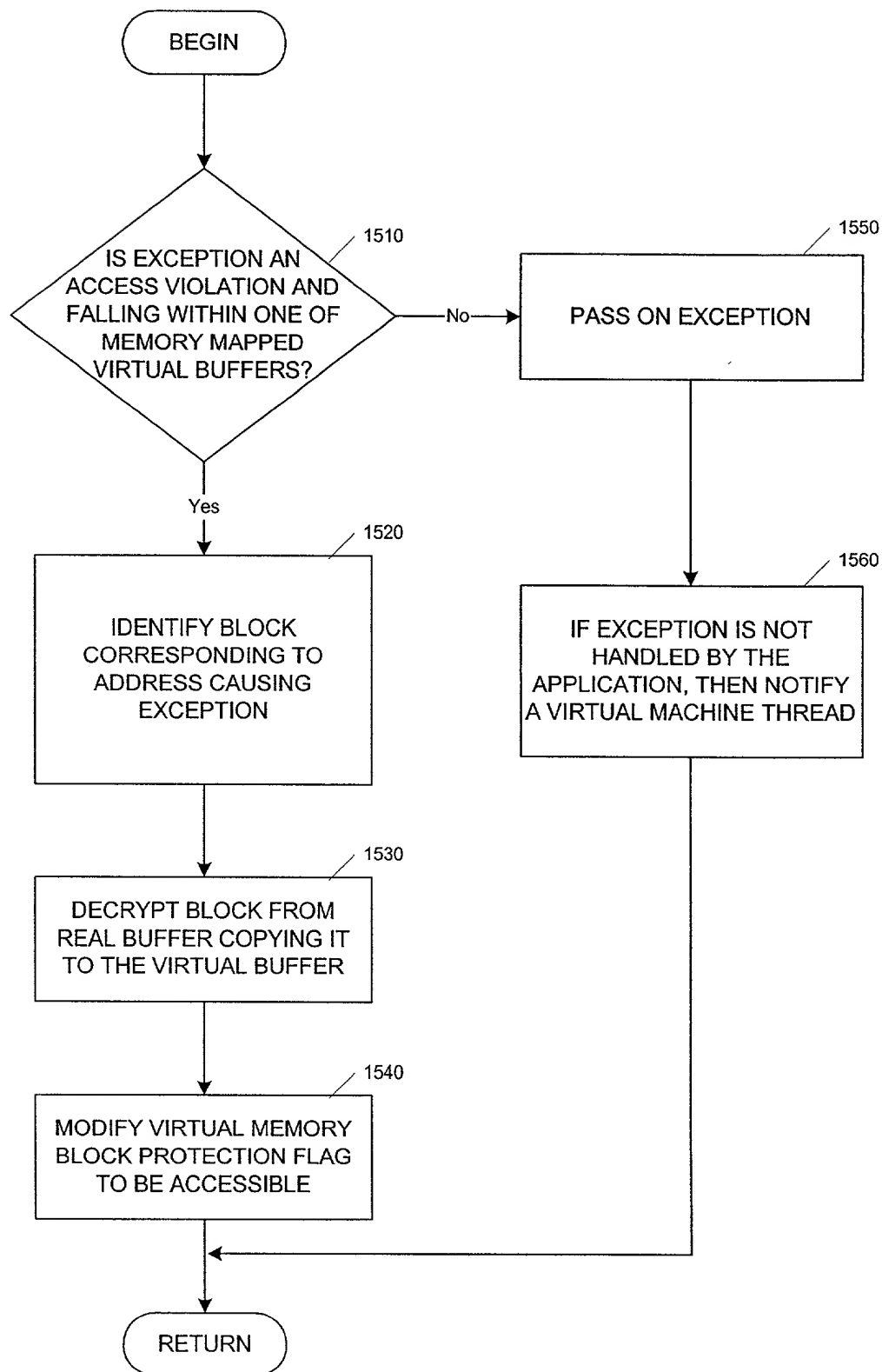


FIG. 15

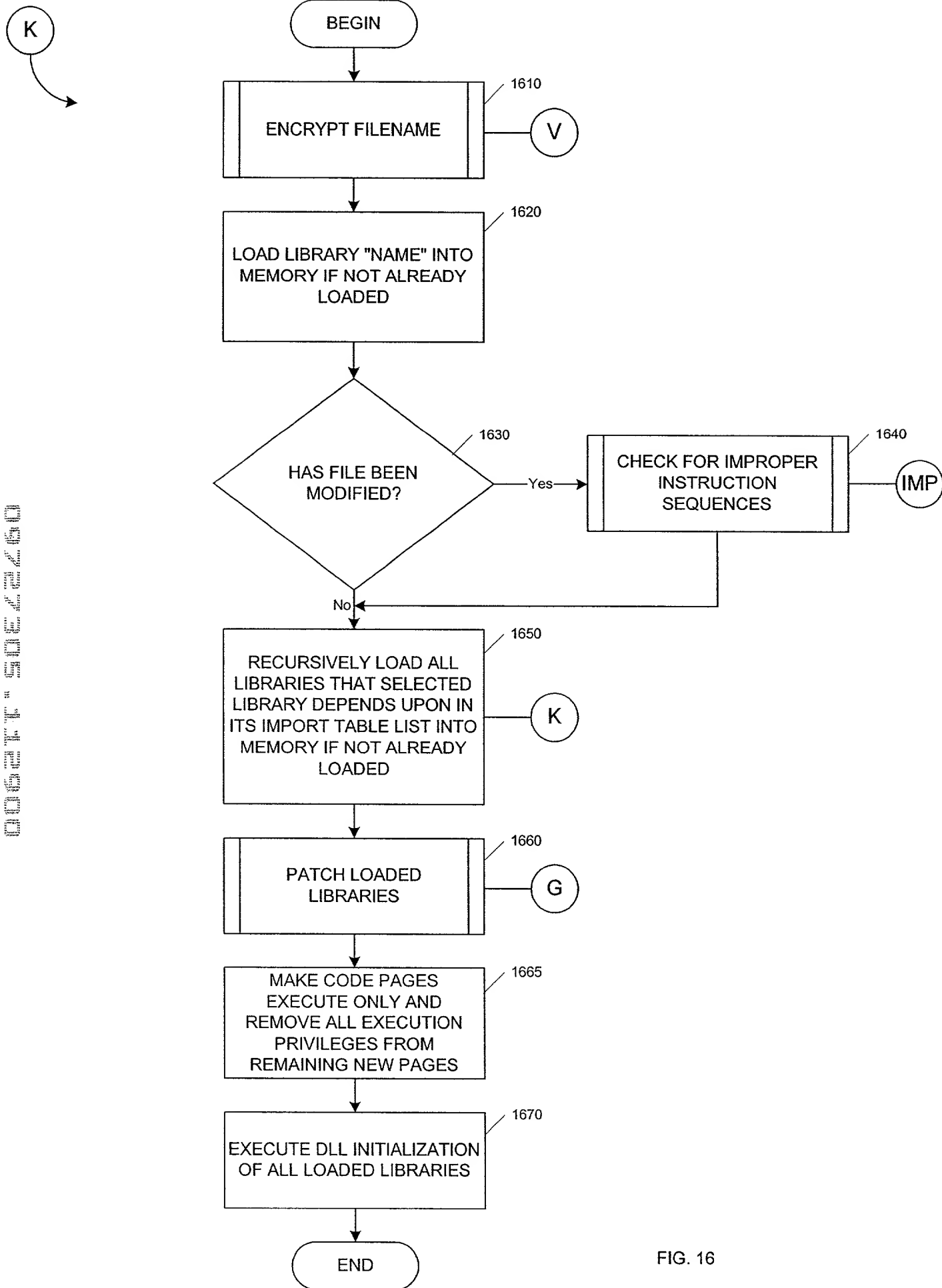


FIG. 16



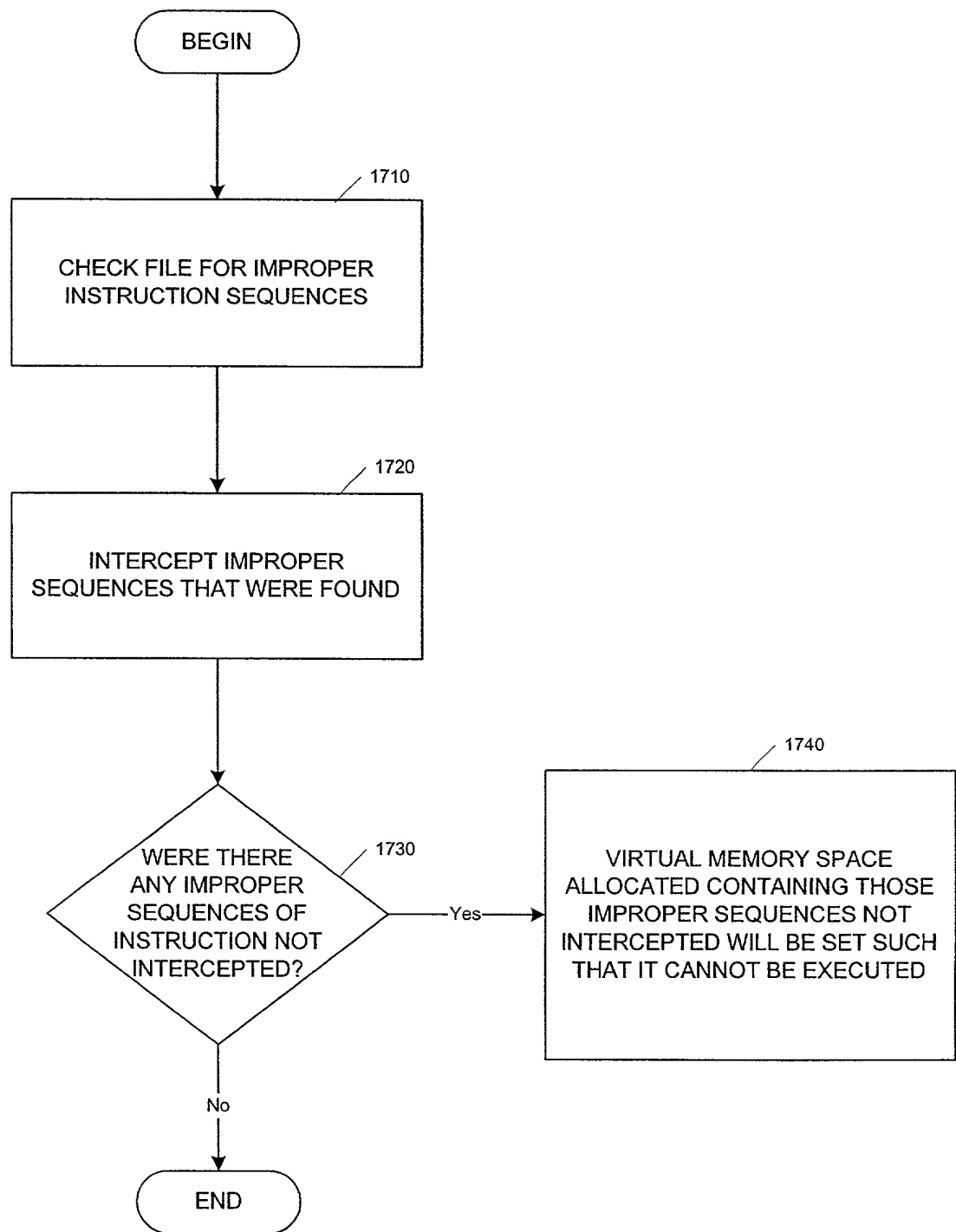


FIG. 17

M

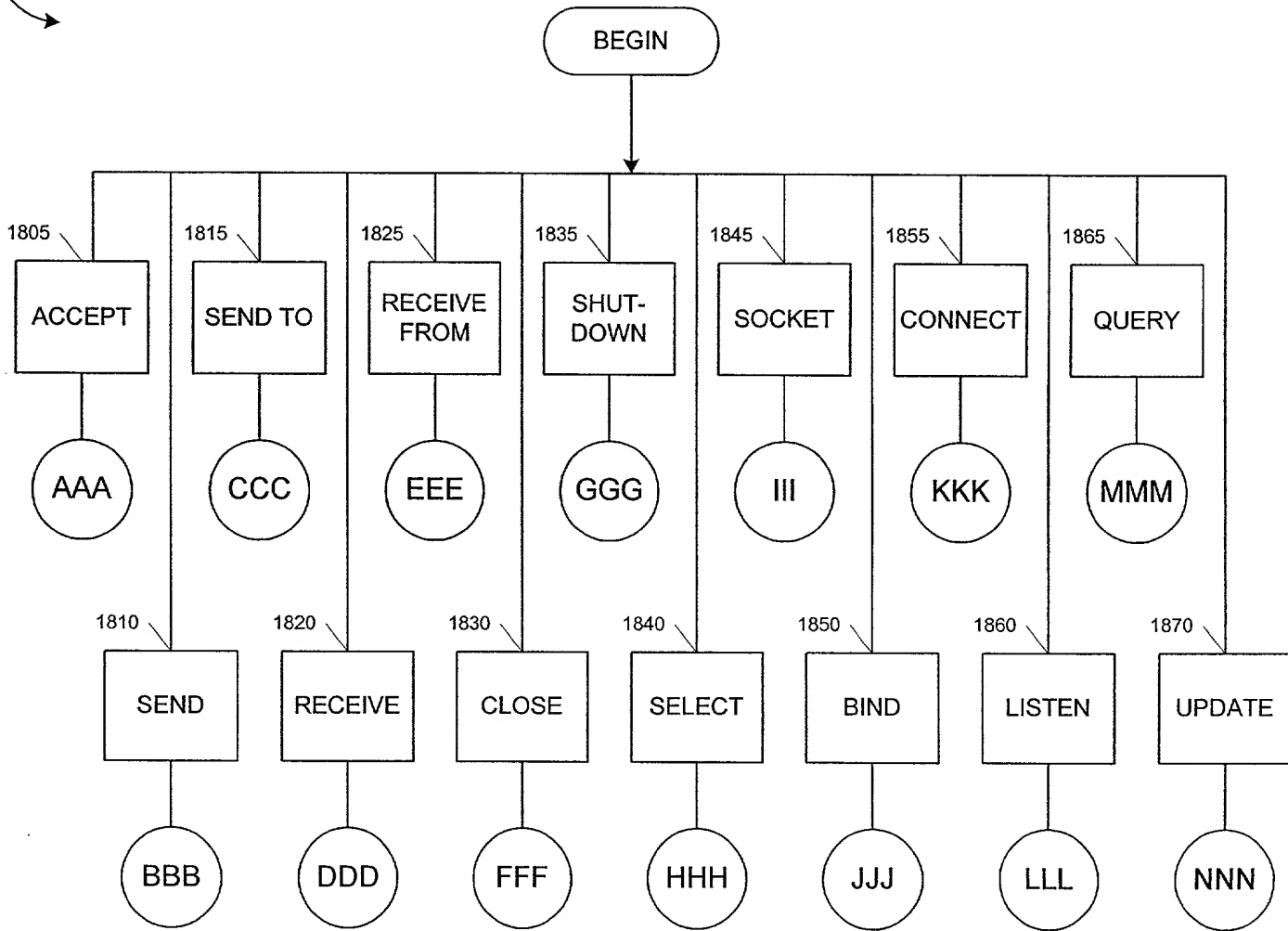


FIG. 18

AAA

0050750E260

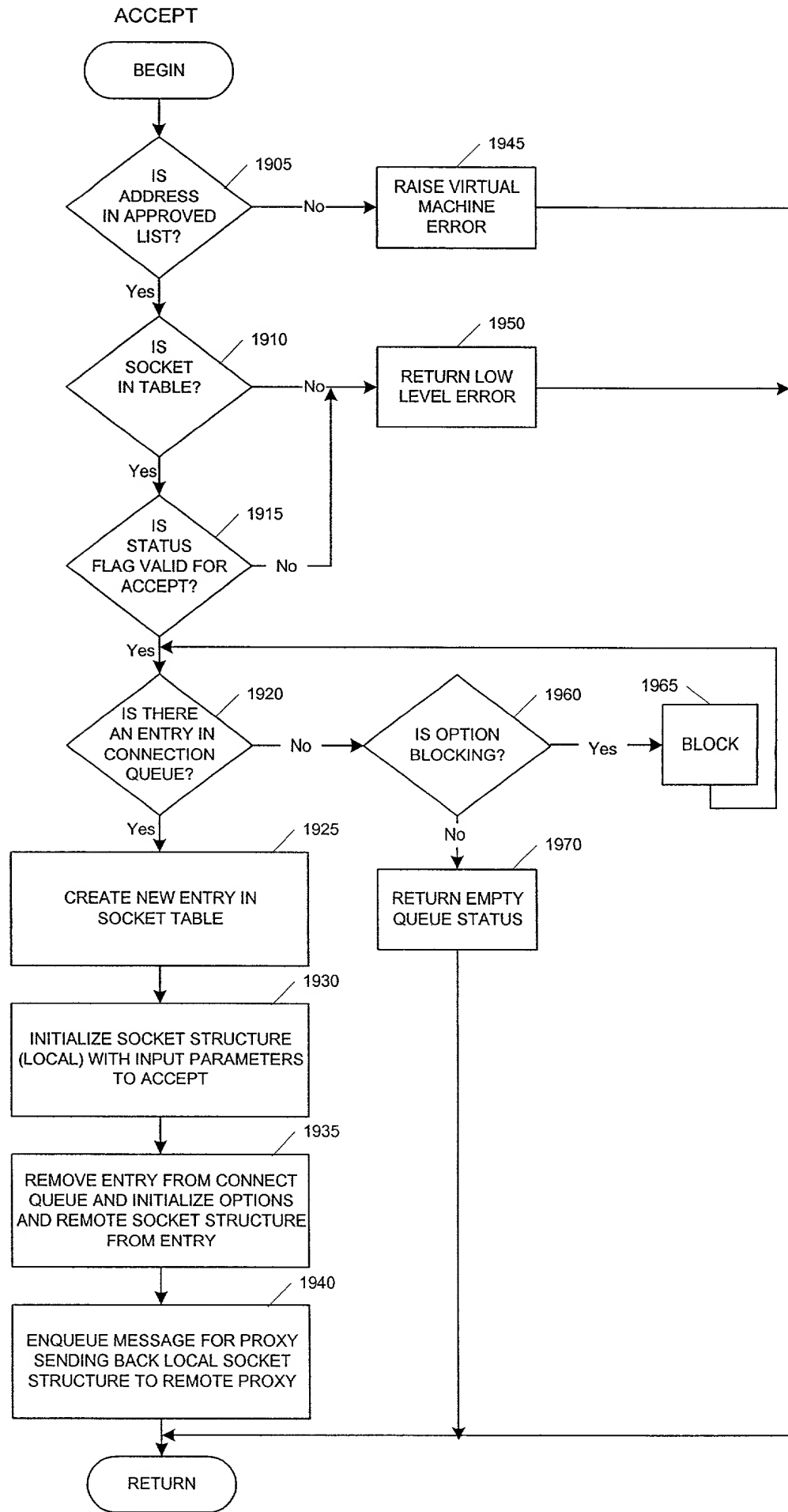


FIG. 19

Parameter	Unit	Value	Standard Error	t-Statistic	Probability >  t	Lower Tail Probability	Upper Tail Probability
Intercept		1.0000	0.0000	1.0000	0.0000	0.0000	0.0000
Age	Years	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age squared	Years squared	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age cubed	Years cubed	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age quart	Years quart	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age quint	Years quint	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age sext	Years sext	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age sept	Years sept	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age oct	Years oct	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age non	Years non	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age dec	Years dec	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age elev	Years elev	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age twelv	Years twelv	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age thirte	Years thirte	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age fourte	Years fourte	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age fift	Years fift	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age sixt	Years sixt	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age seve	Years seve	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age eight	Years eight	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age nine	Years nine	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age ten	Years ten	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age elev	Years elev	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age twelv	Years twelv	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age thirte	Years thirte	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age fourte	Years fourte	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age fift	Years fift	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age sixt	Years sixt	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age seve	Years seve	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age eight	Years eight	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age nine	Years nine	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age ten	Years ten	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age elev	Years elev	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age twelv	Years twelv	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age thirte	Years thirte	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age fourte	Years fourte	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age fift	Years fift	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age sixt	Years sixt	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age seve	Years seve	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age eight	Years eight	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age nine	Years nine	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age ten	Years ten	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Age elev	Years elev	0.0000	0.0000	0.0000	0.0000	0.	

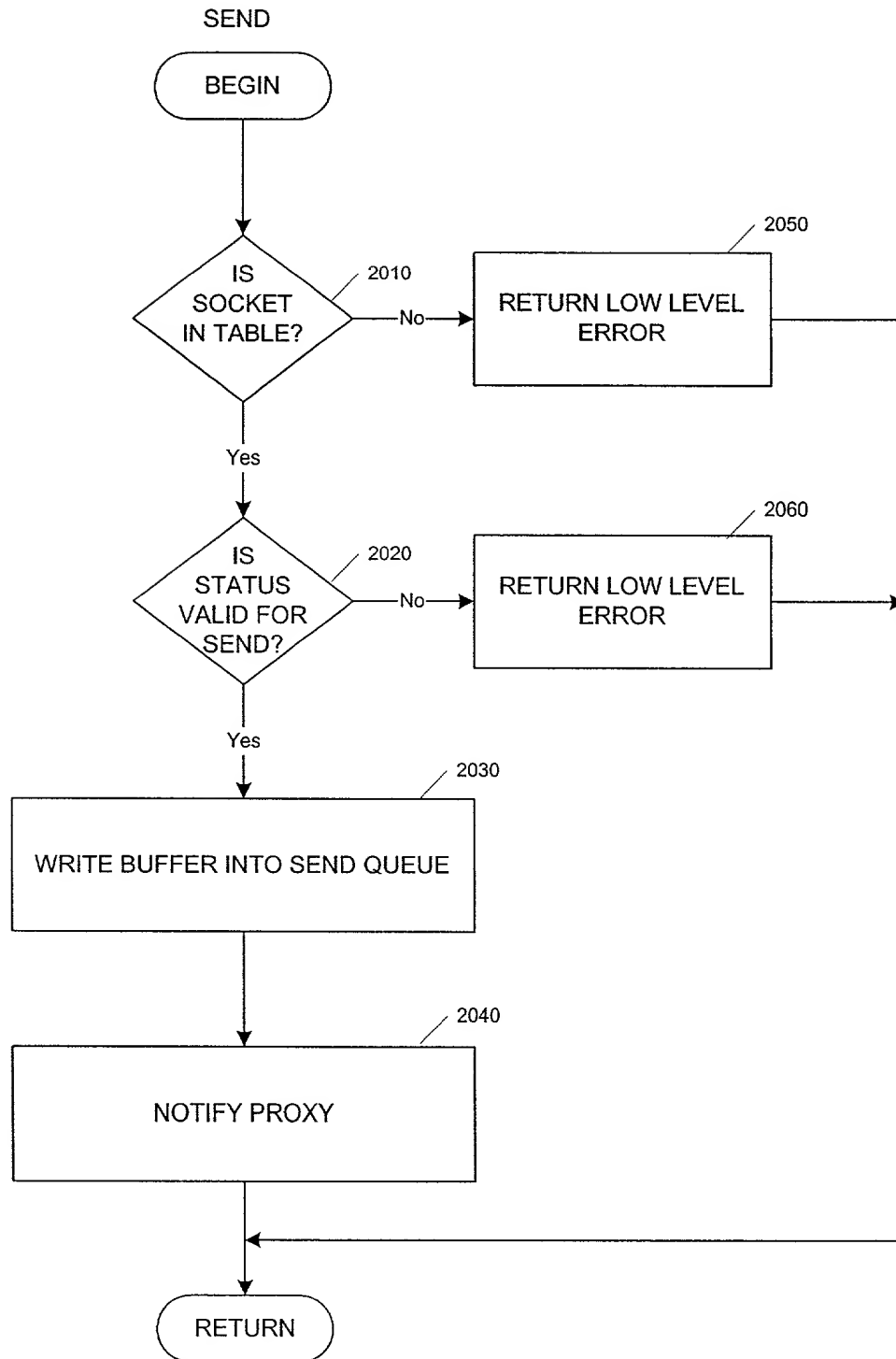


FIG. 20

[illegible]

DDD

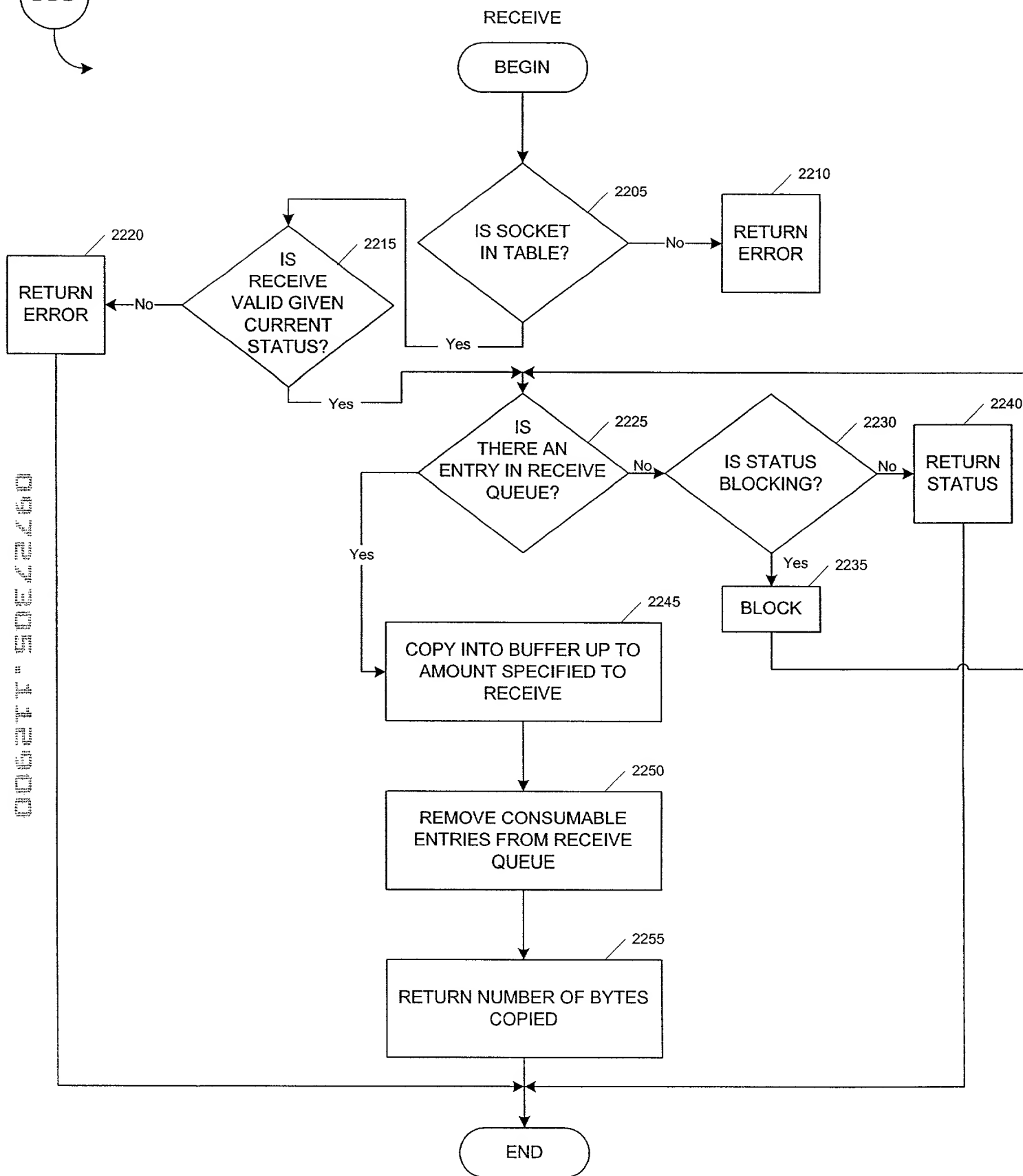


FIG. 22

EEE

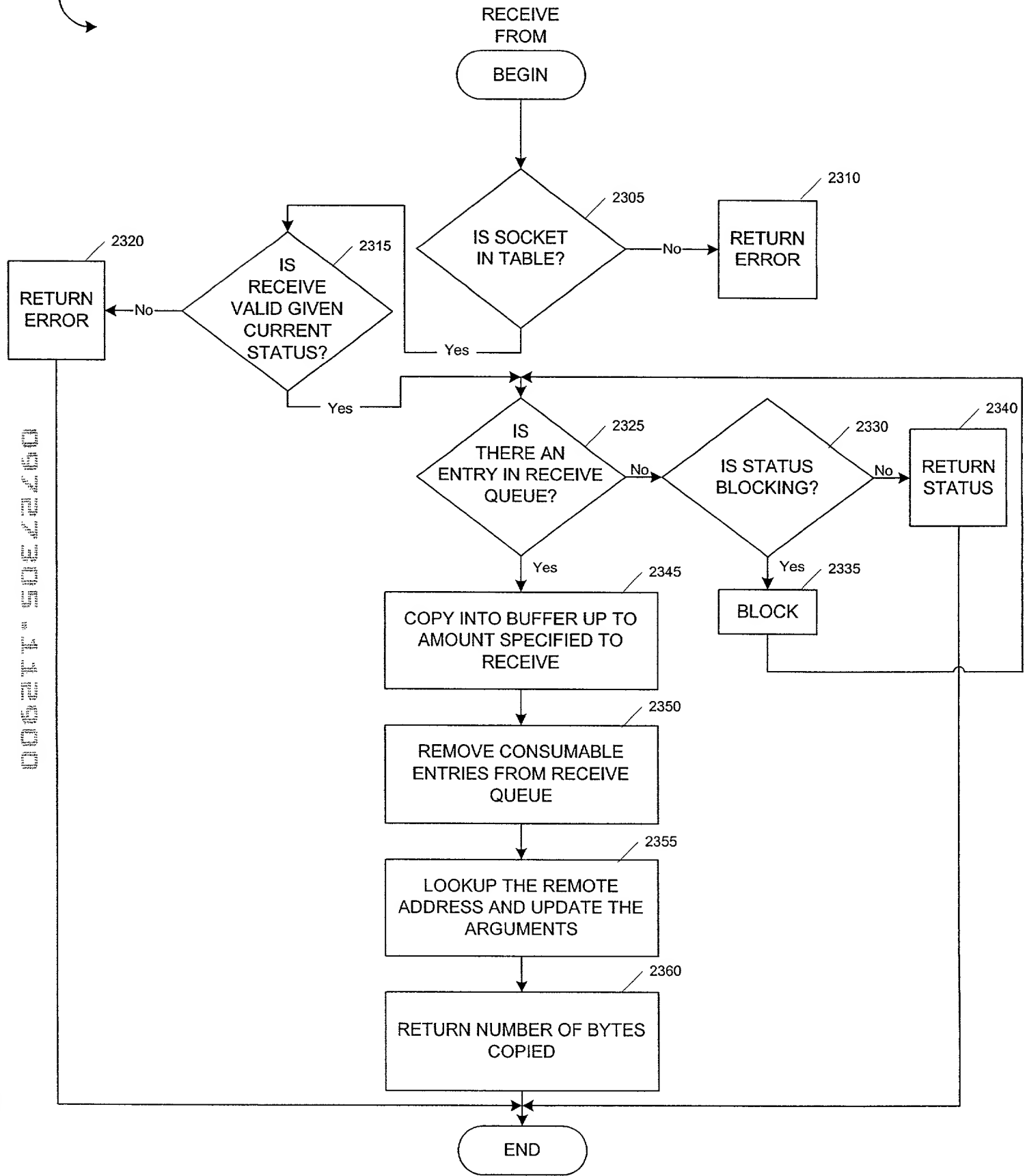


FIG. 23

FFF

00527" 336/2/50

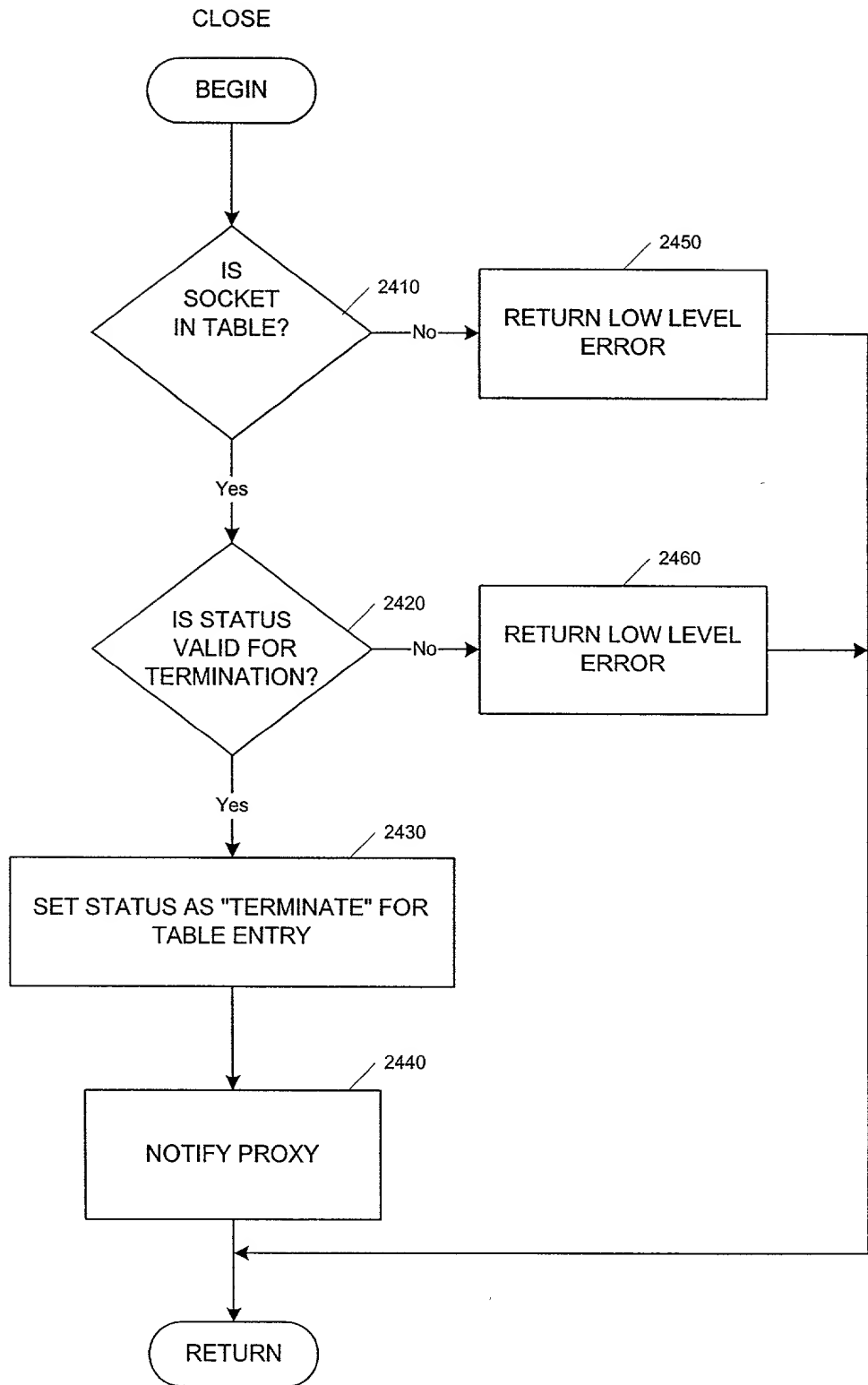


FIG. 24



Variable	Mean		SD		t		p	
	Control	Case	Control	Case	Control	Case	Control	Case
Age	21.5	21.5	1.5	1.5	0.0	0.0	0.999	0.999
Gender	100	100	0	0	0.0	0.0	0.999	0.999
Height	170.0	170.0	5.0	5.0	0.0	0.0	0.999	0.999
Weight	65.0	65.0	10.0	10.0	0.0	0.0	0.999	0.999
Education	12.0	12.0	1.0	1.0	0.0	0.0	0.999	0.999
Income	1000.0	1000.0	200.0	200.0	0.0	0.0	0.999	0.999
Marital status	100	100	0	0	0.0	0.0	0.999	0.999
Occupation	100	100	0	0	0.0	0.0	0.999	0.999
Religion	100	100	0	0	0.0	0.0	0.999	0.999
Political affiliation	100	100	0	0	0.0	0.0	0.999	0.999
Health status	100	100	0	0	0.0	0.0	0.999	0.999
Smoking status	100	100	0	0	0.0	0.0	0.999	0.999
Alcohol consumption	100	100	0	0	0.0	0.0	0.999	0.999
Exercise frequency	100	100	0	0	0.0	0.0	0.999	0.999
Stress level	100	100	0	0	0.0	0.0	0.999	0.999
Sleep quality	100	100	0	0	0.0	0.0	0.999	0.999
Appetite	100	100	0	0	0.0	0.0	0.999	0.999
Mood	100	100	0	0	0.0	0.0	0.999	0.999
Energy level	100	100	0	0	0.0	0.0	0.999	0.999
Concentration	100	100	0	0	0.0	0.0	0.999	0.999
Memory	100	100	0	0	0.0	0.0	0.999	0.999
Emotional stability	100	100	0	0	0.0	0.0	0.999	0.999
Resilience	100	100	0	0	0.0	0.0	0.999	0.999
Optimism	100	100	0	0	0.0	0.0	0.999	0.999
Self-esteem	100	100	0	0	0.0	0.0	0.999	0.999
Life satisfaction	100	100	0	0	0.0	0.0	0.999	0.999
Overall health	100	100	0	0	0.0	0.0	0.999	0.999

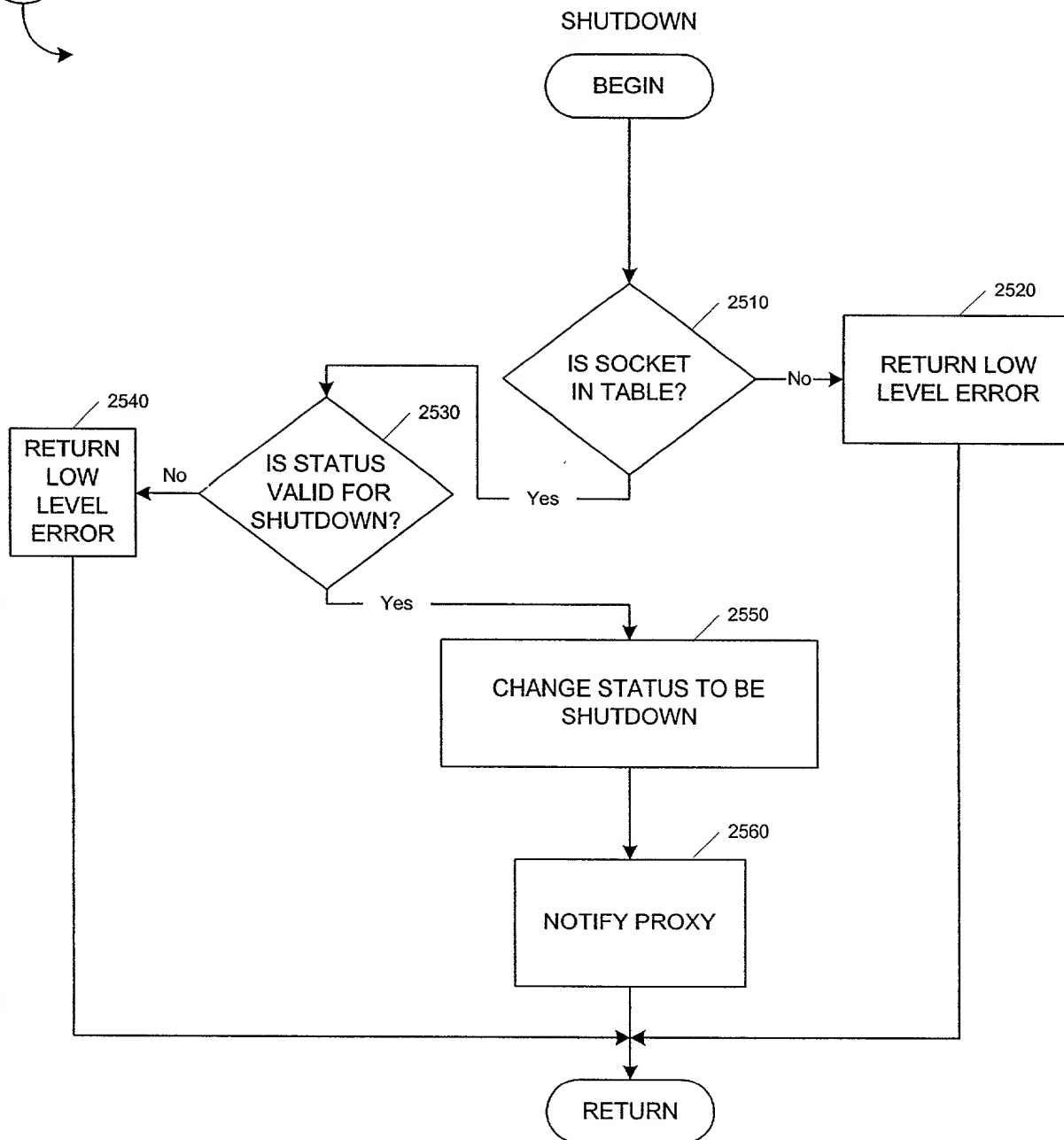


FIG. 25

[illegible]

2610

2620

2630

2640

END

FIG. 26

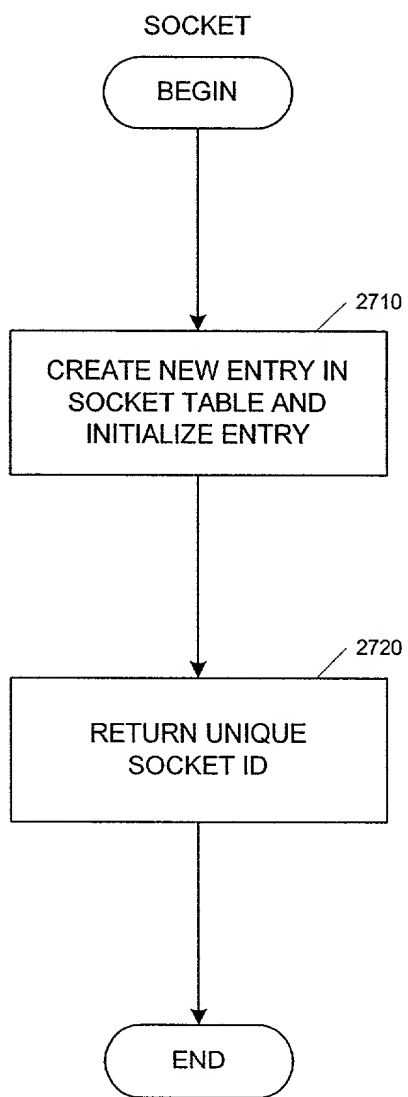


FIG. 27

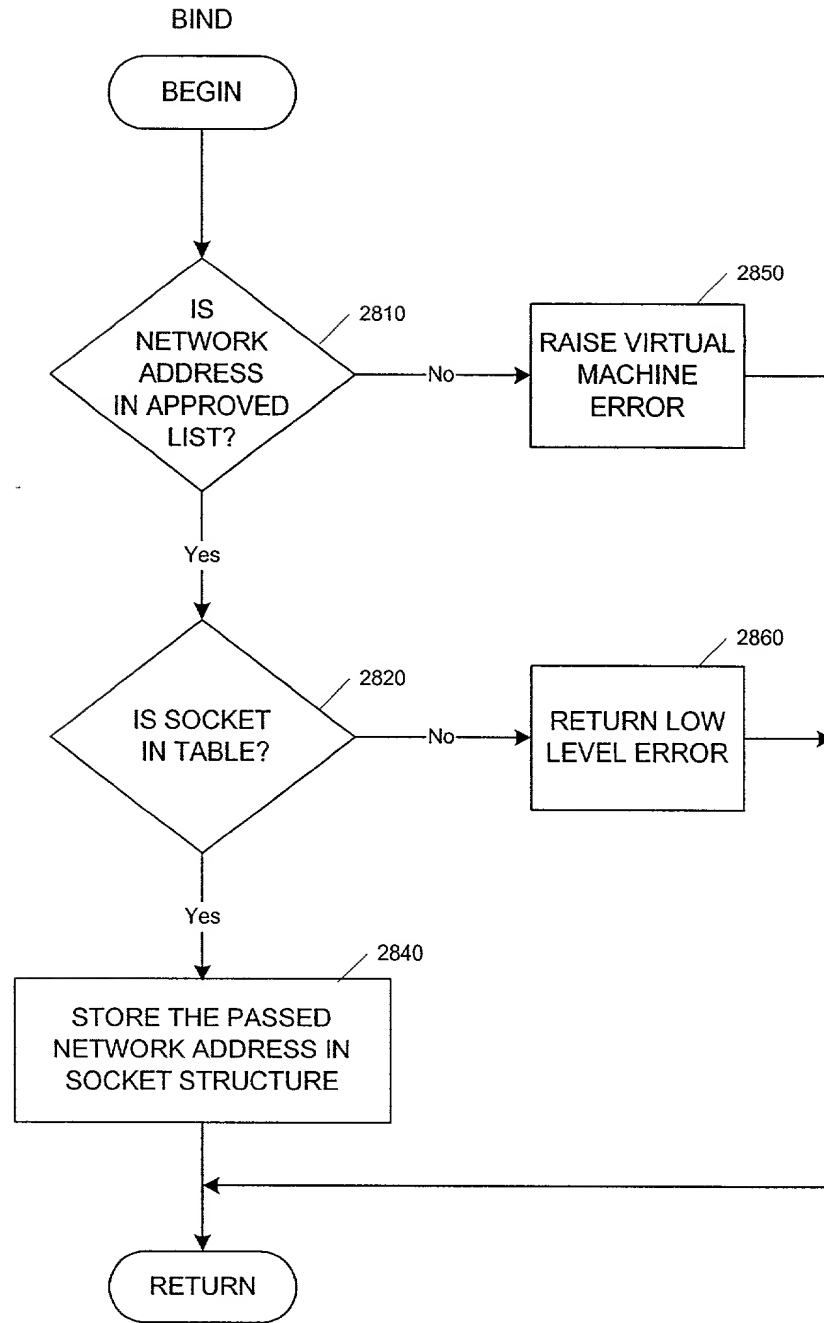
[illegible]

FIG. 28

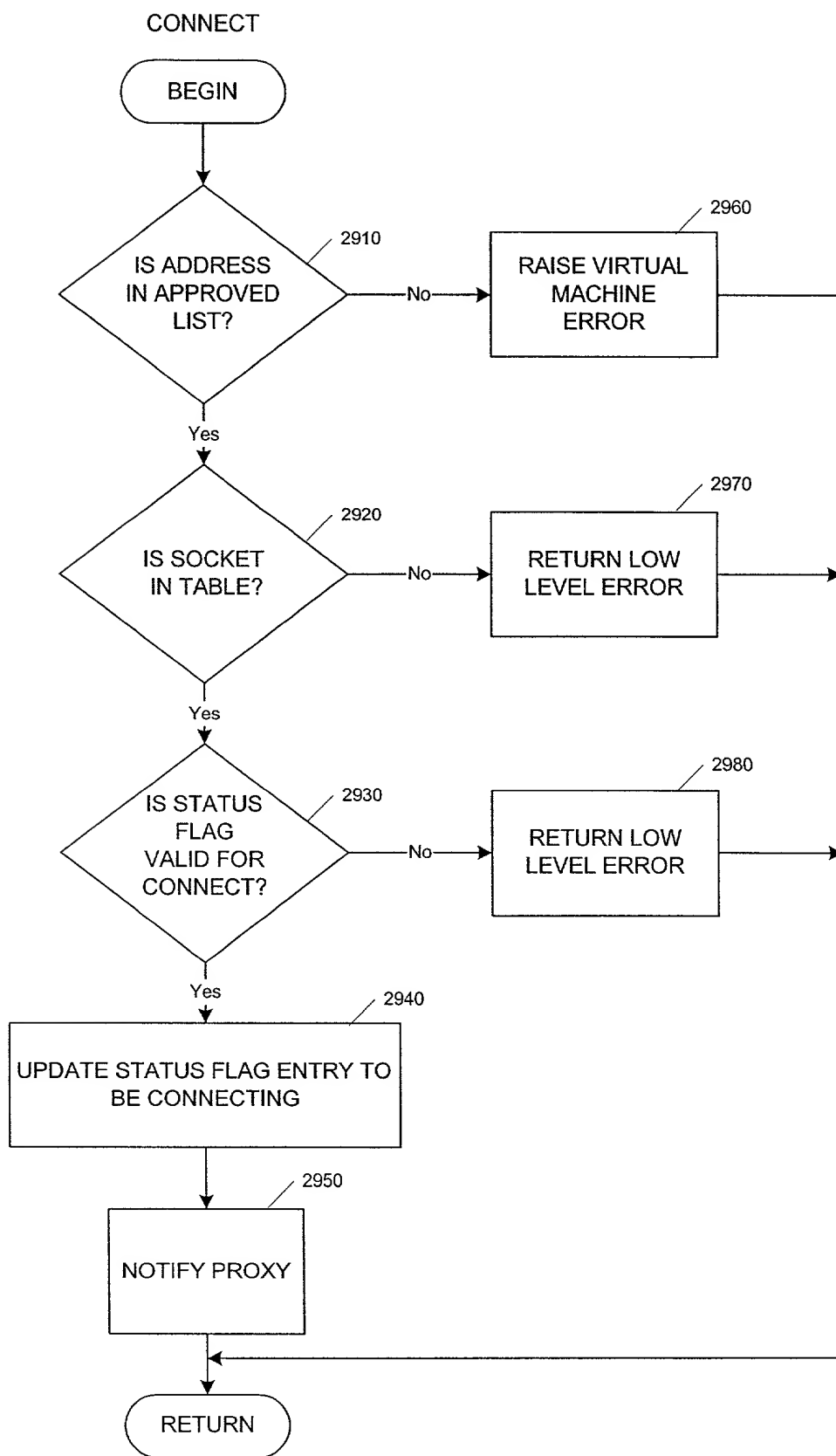
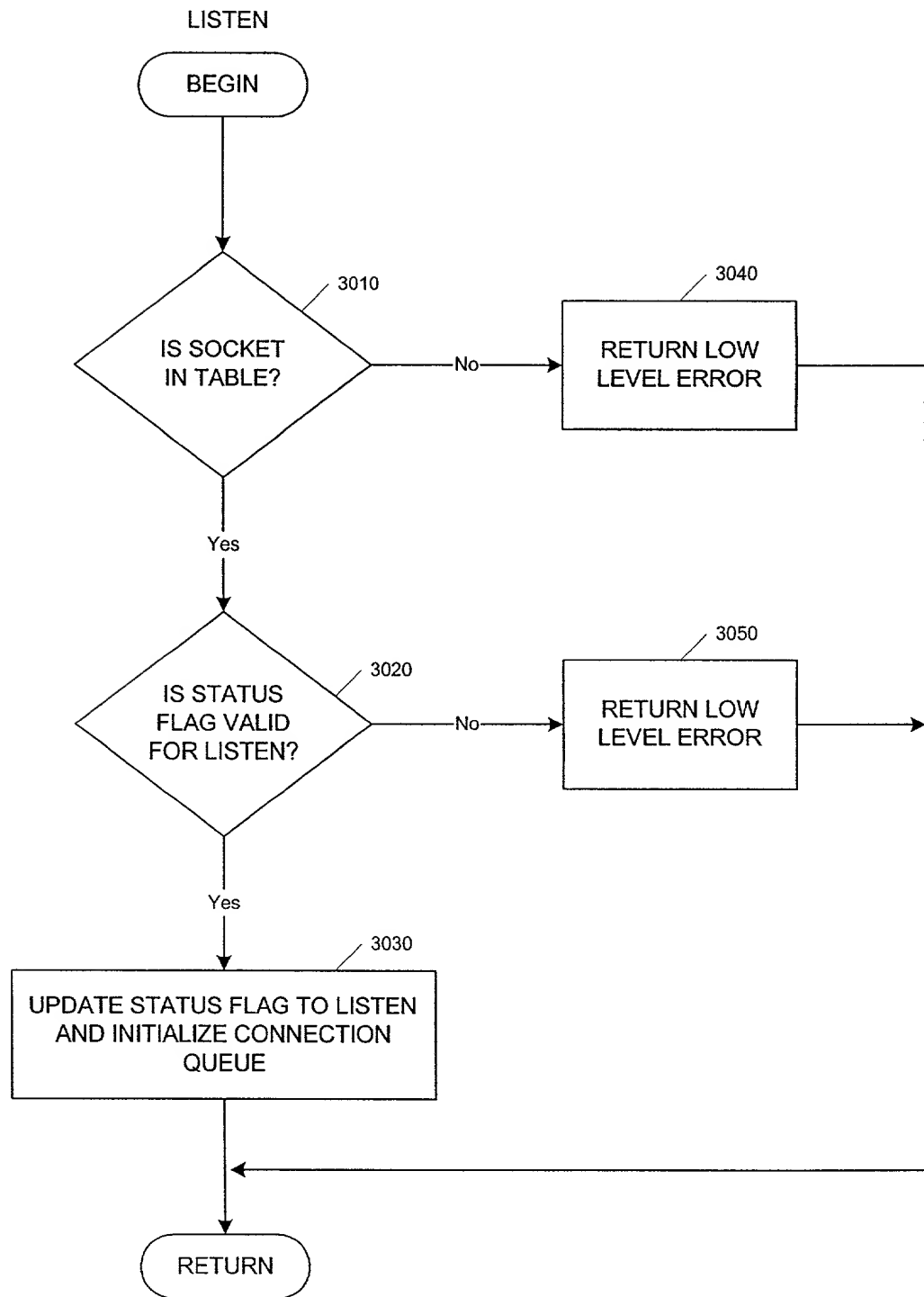
[illegible]

FIG. 29

[illegible]

MMM

009217 505/2260

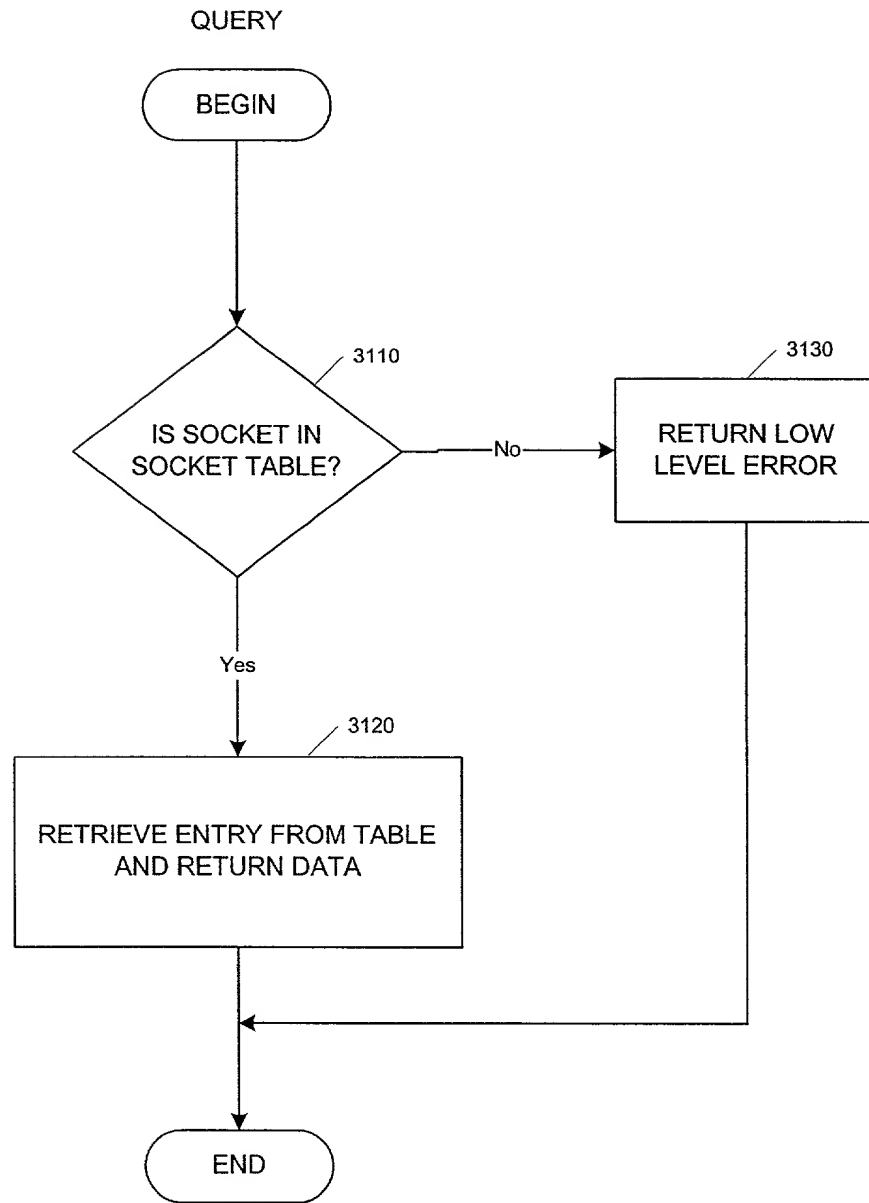


FIG. 31

NNN

005217 50E/2/60

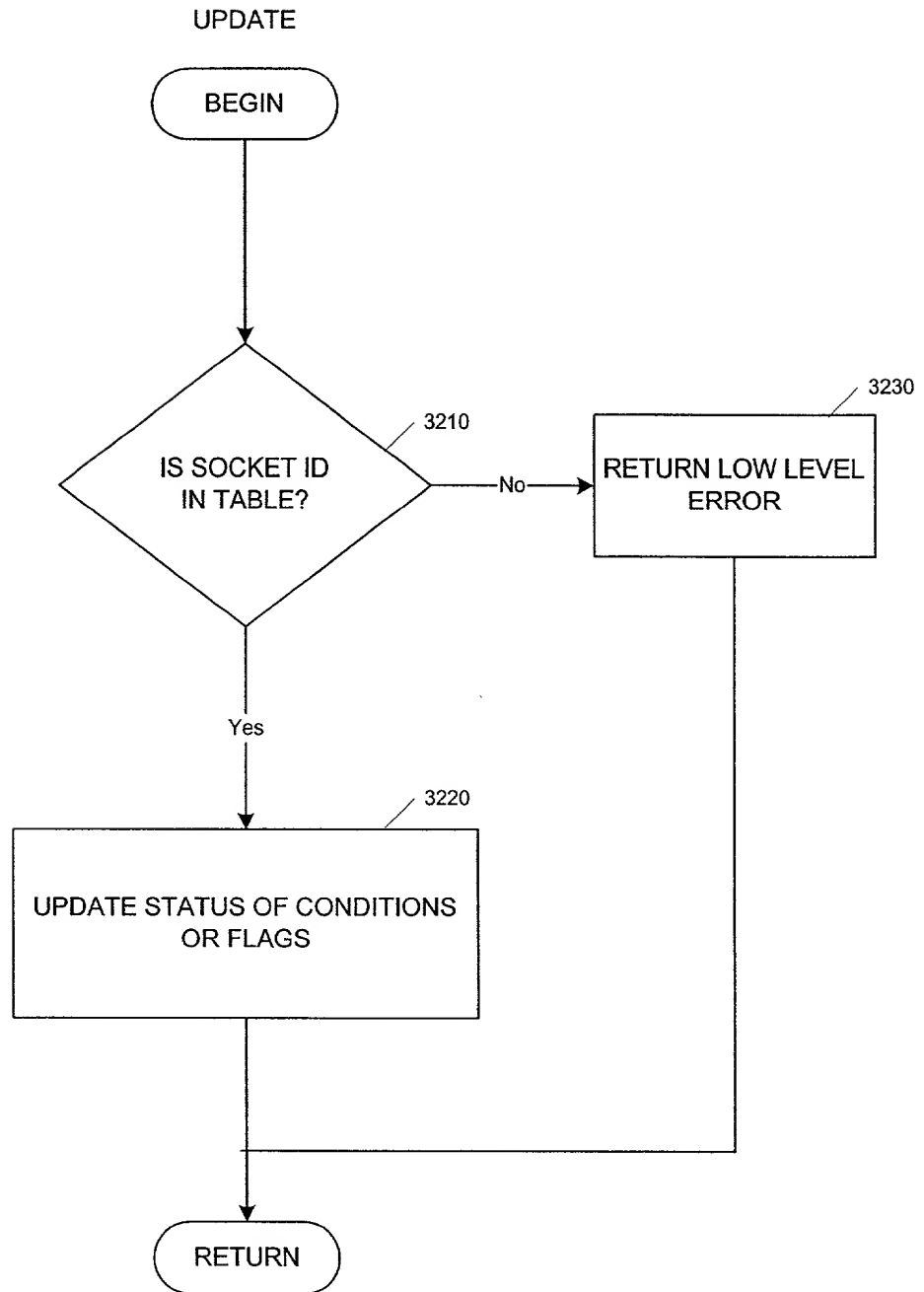


FIG. 32



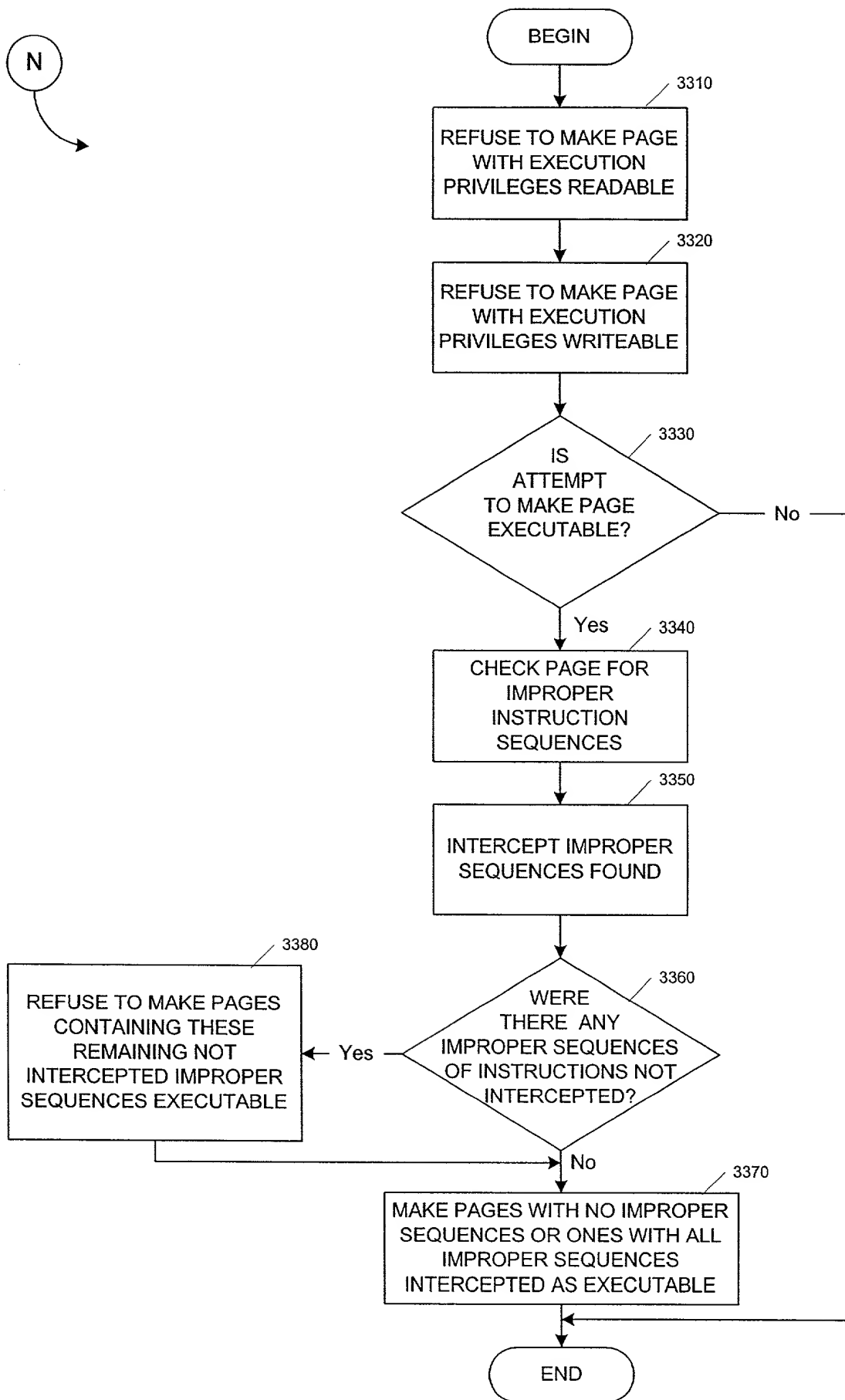


FIG. 33

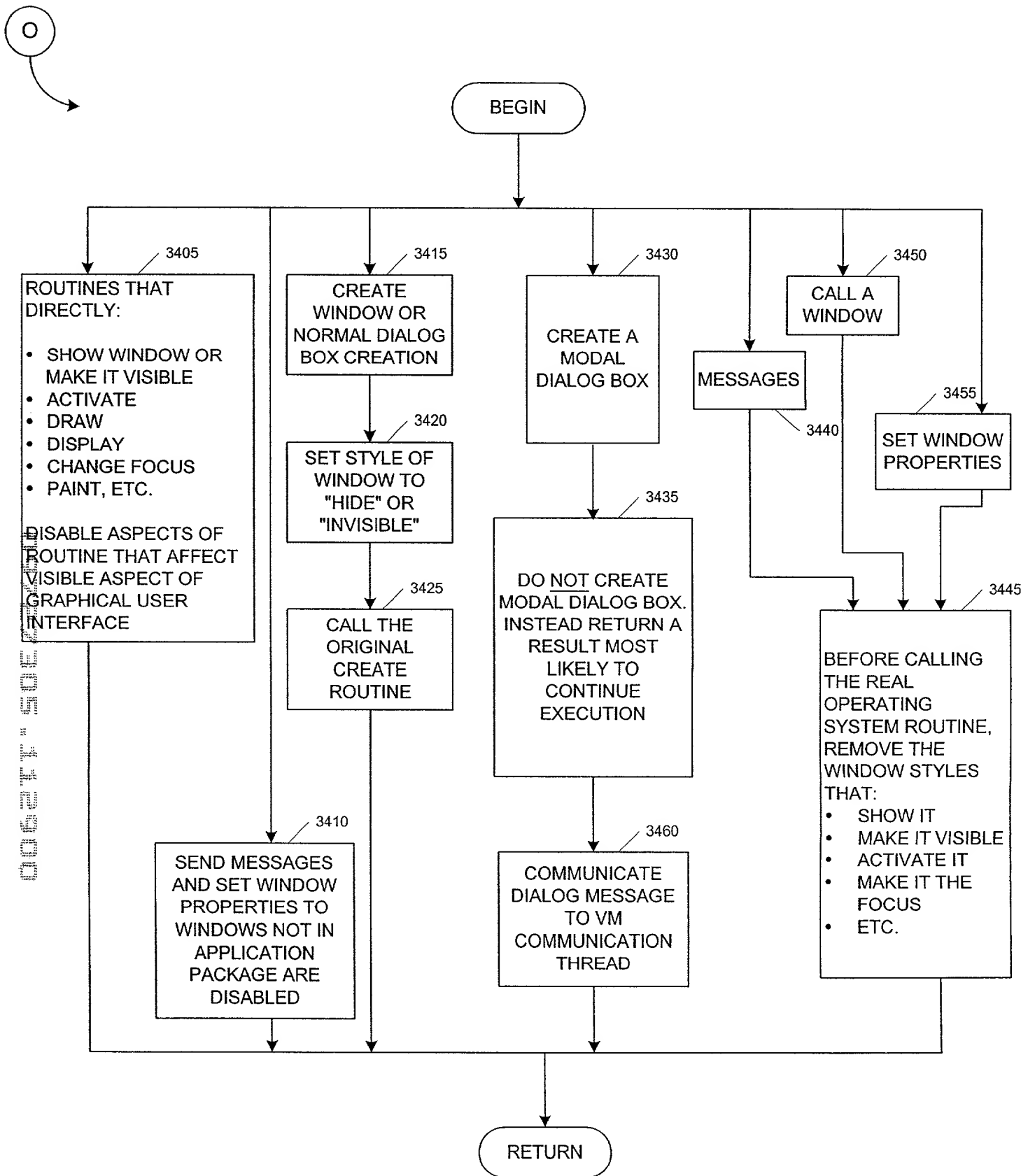


FIG. 34

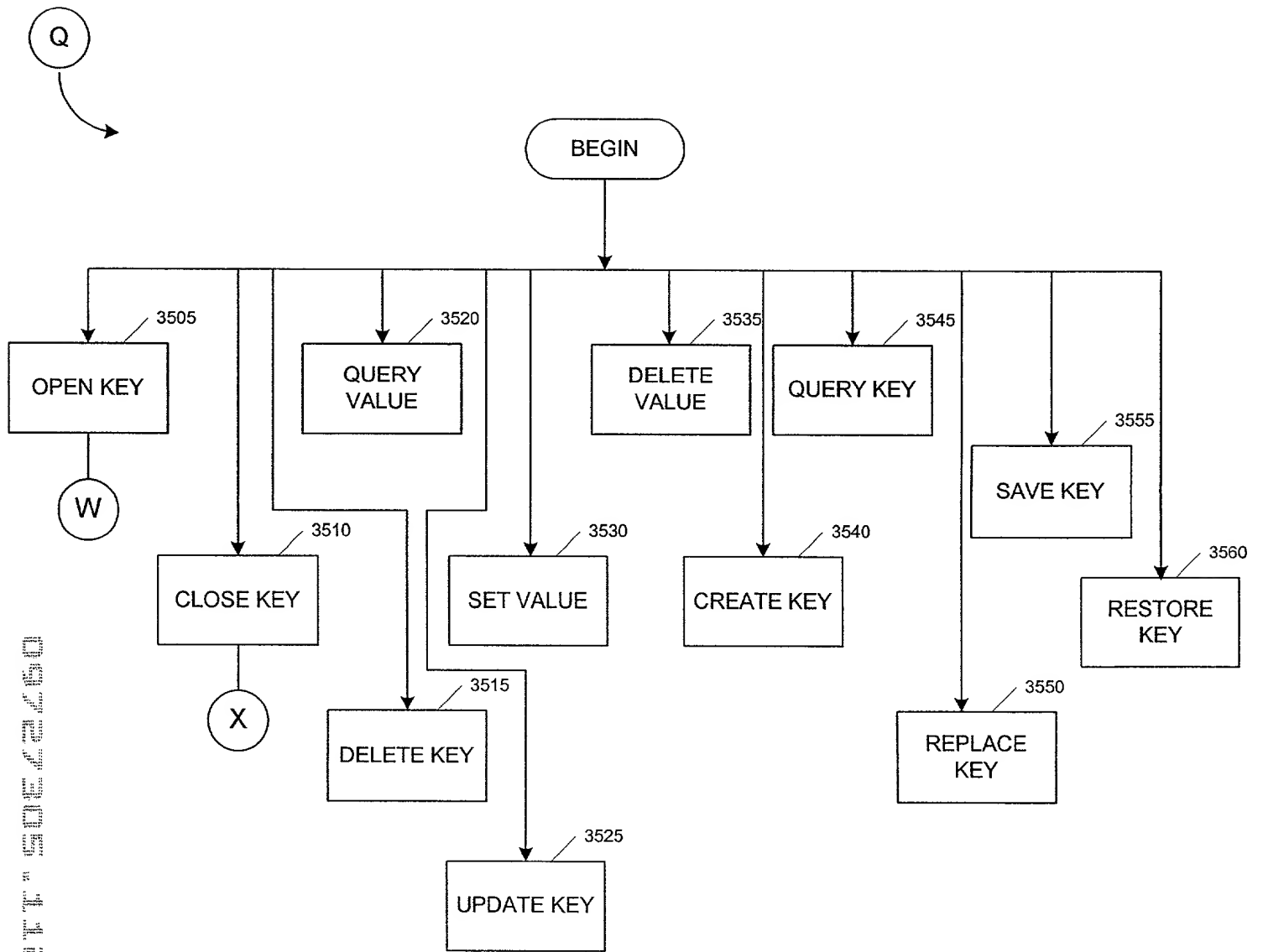


FIG. 35

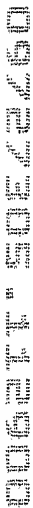


FIG. 36

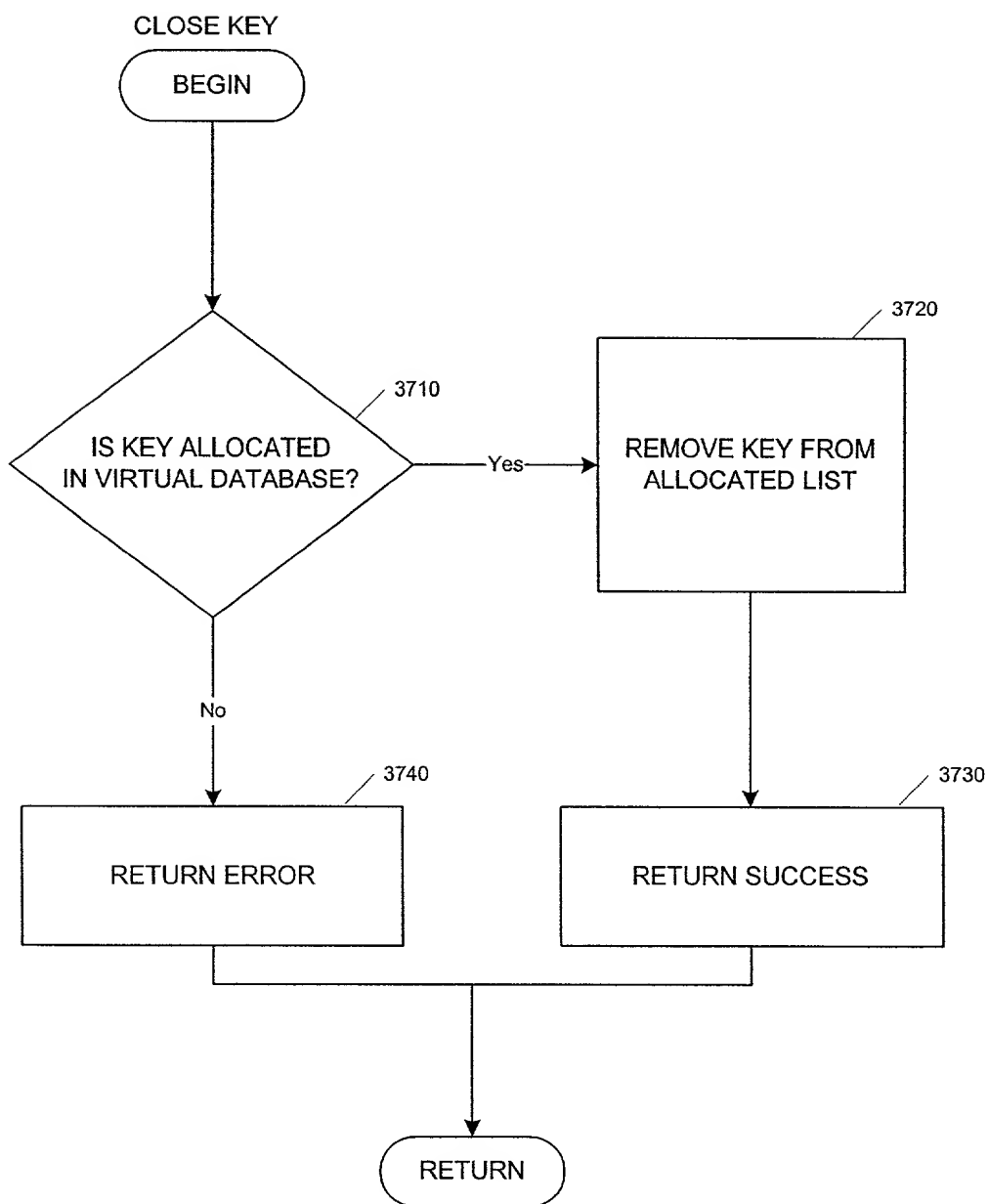
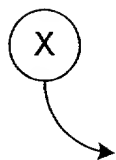


FIG. 37

R

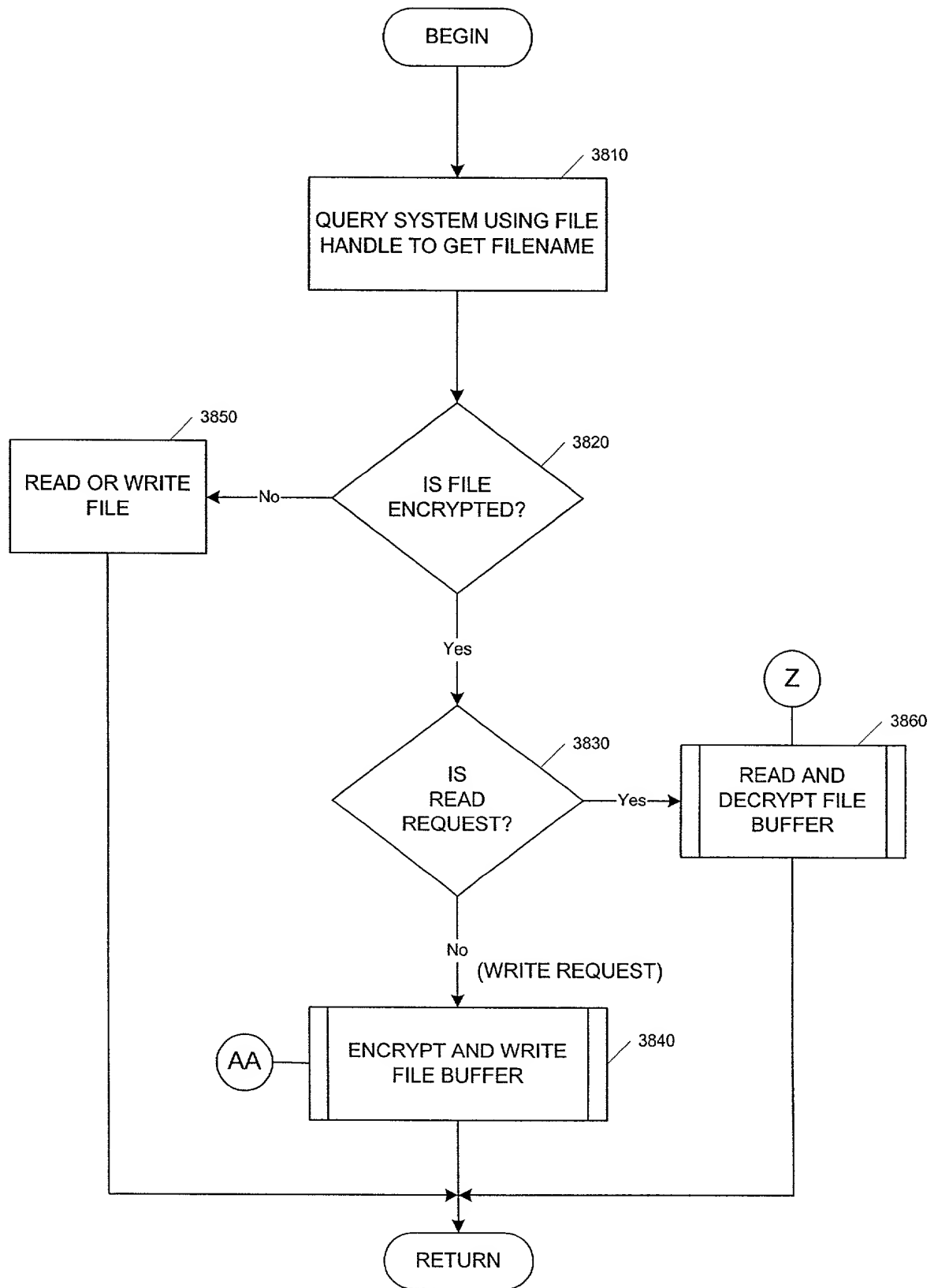


FIG. 38

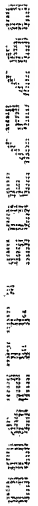


FIG. 39

AA

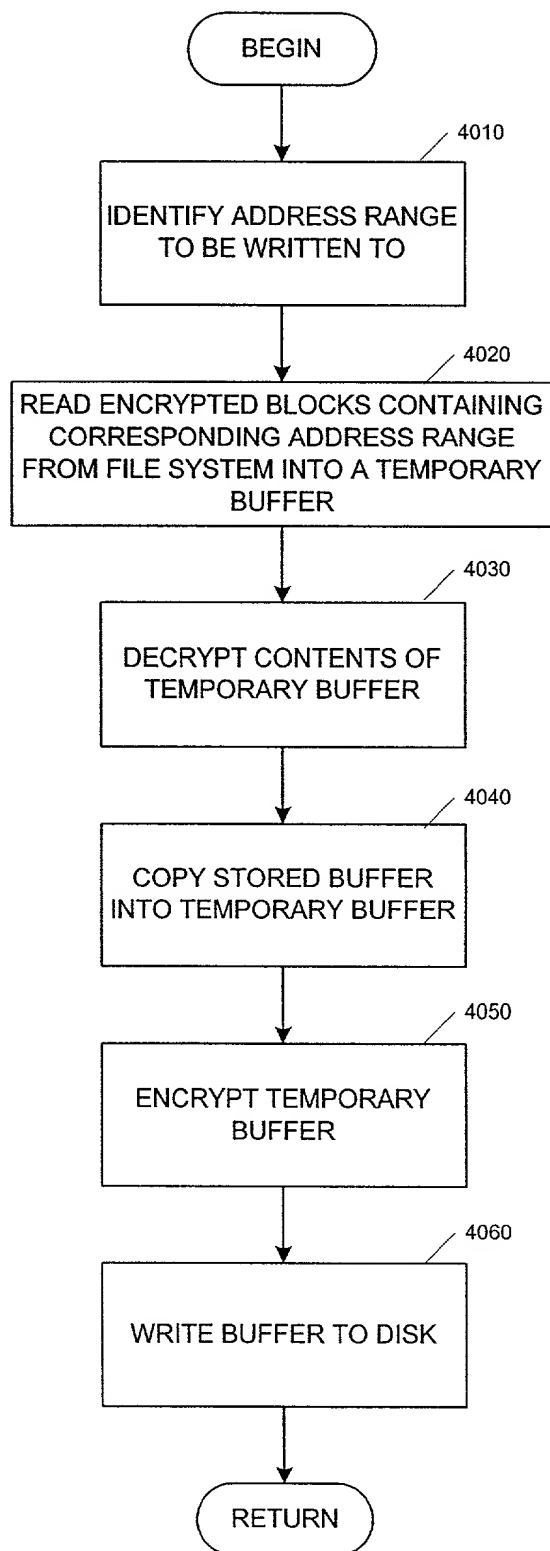


FIG. 40



S

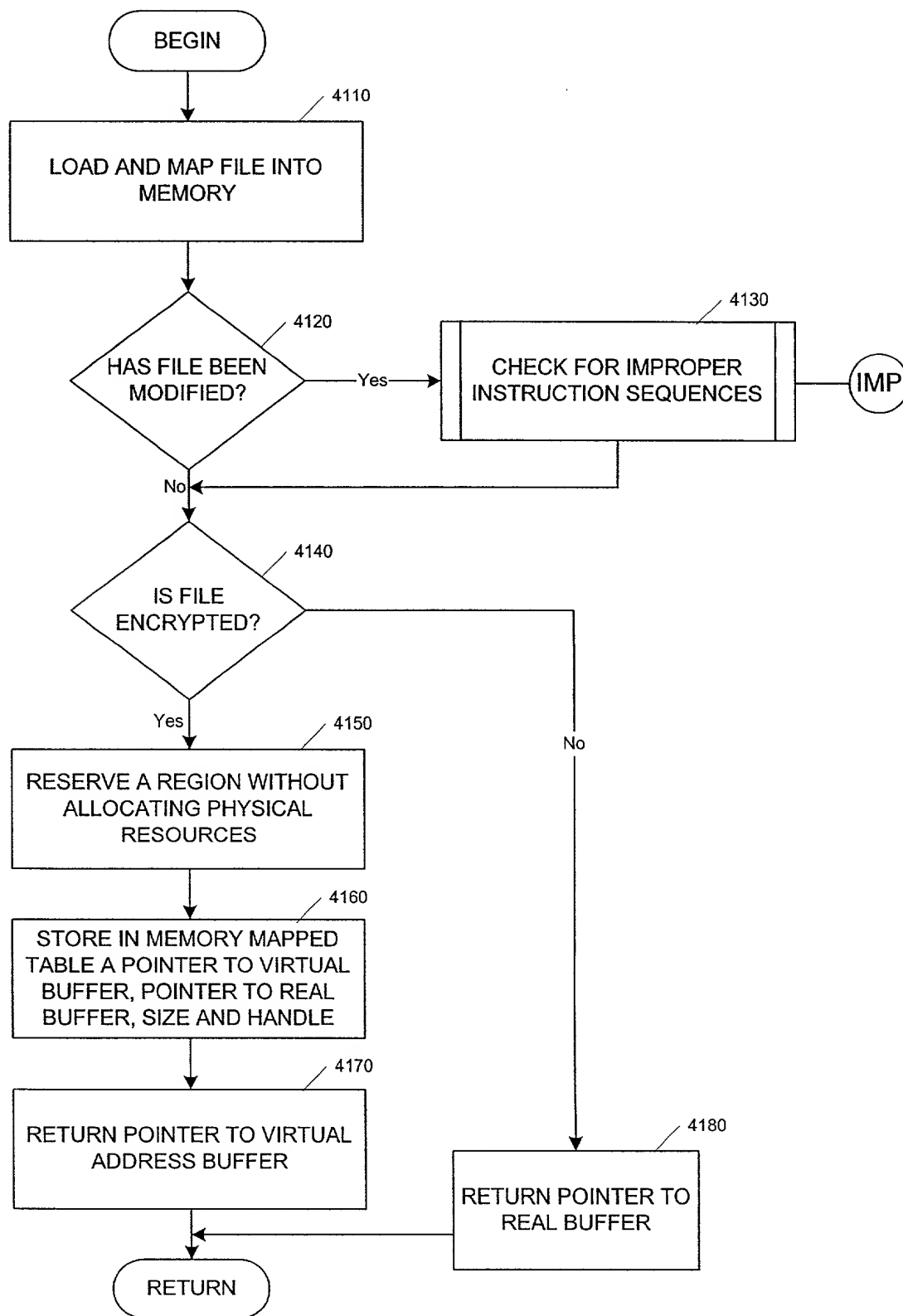


FIG. 41

S

ALTERNATE TO FIG.41)

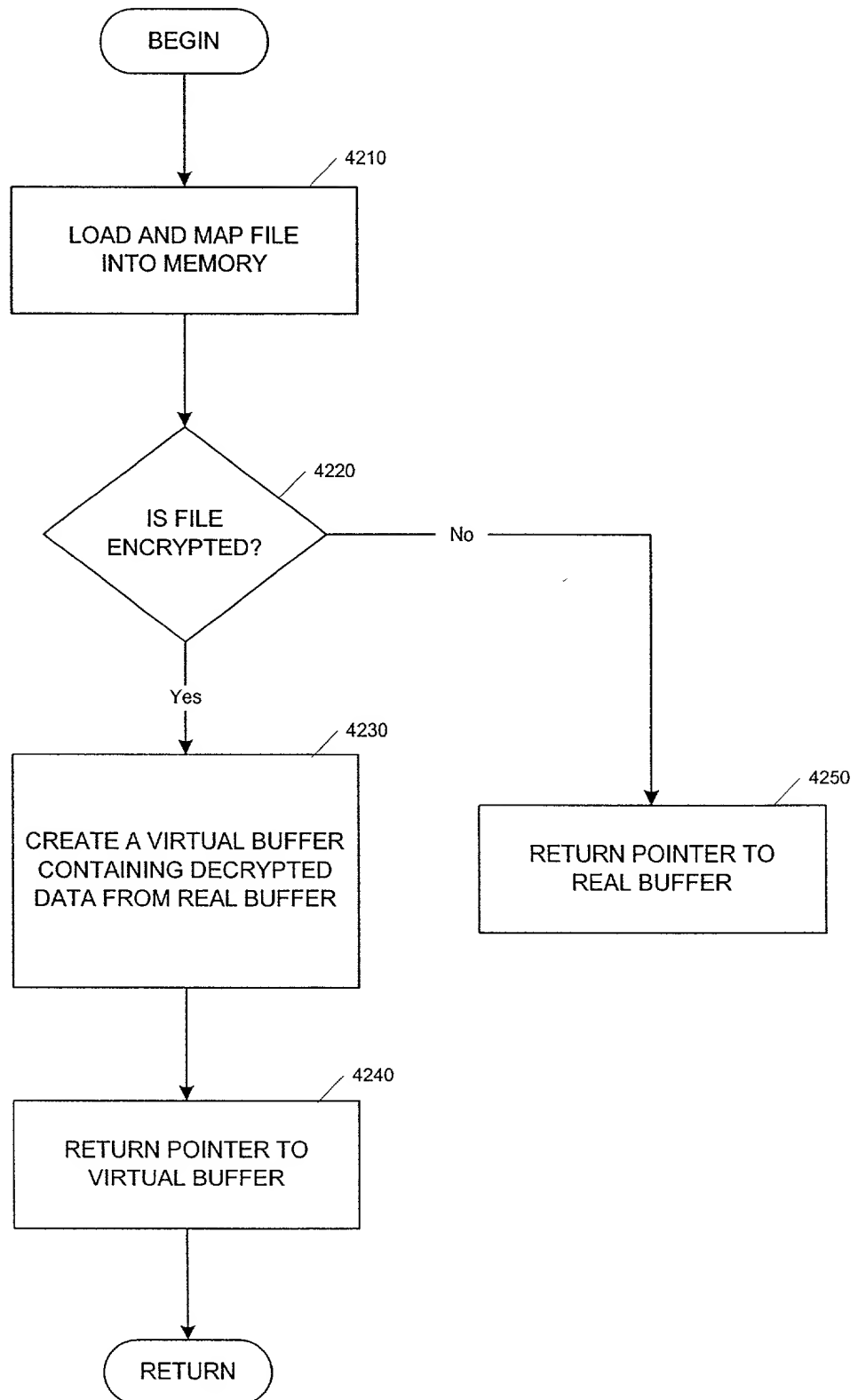


FIG. 42

T

006217 606/2/50

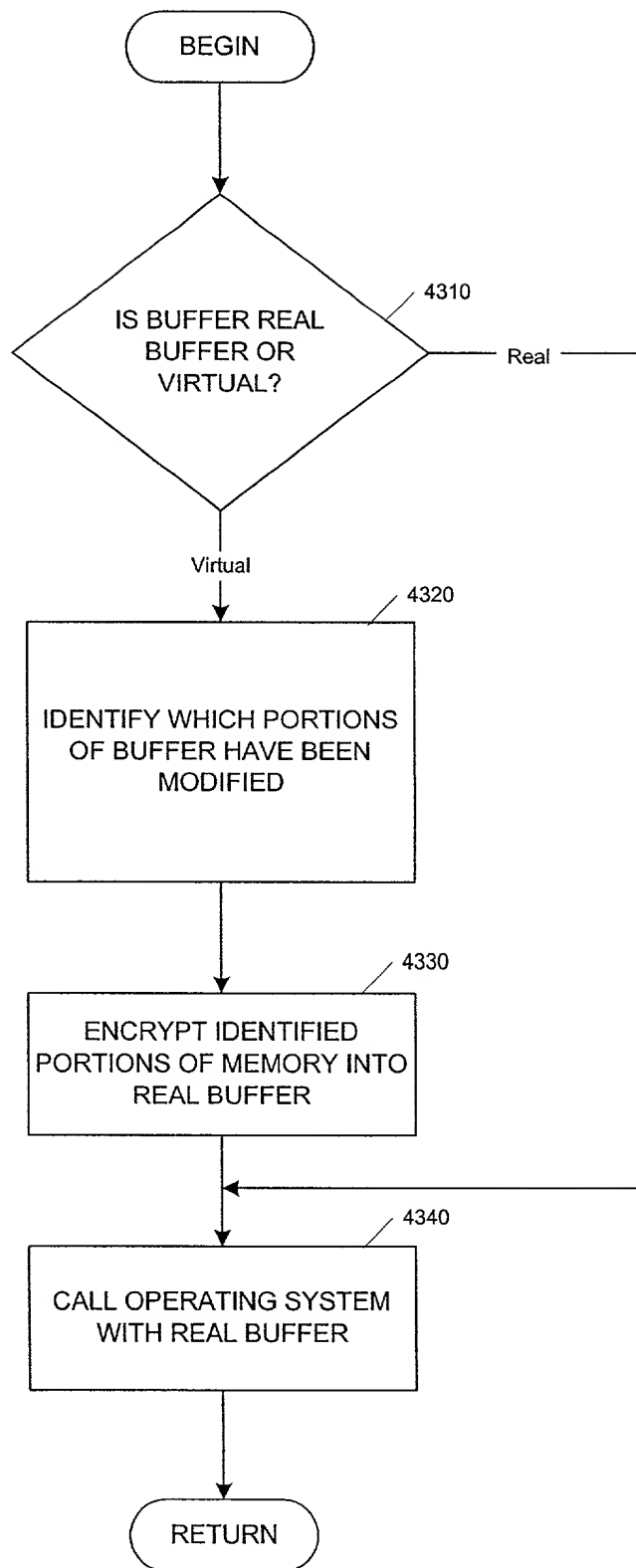


FIG. 43

U

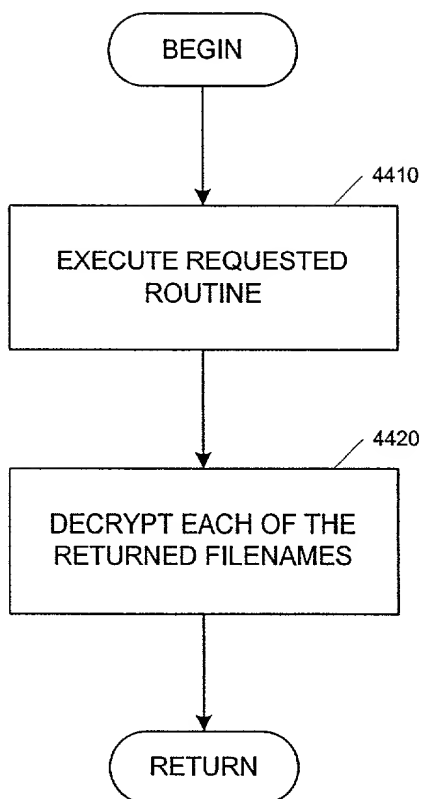


FIG. 44

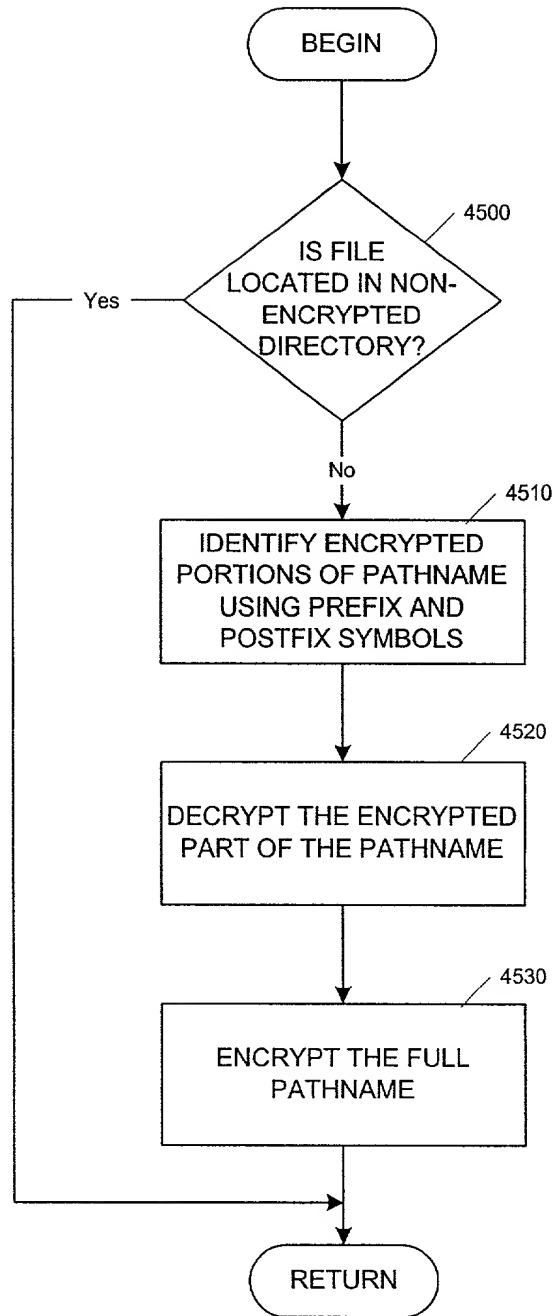



FIG. 45

TRADITIONAL  
SYTEM LAYOUT

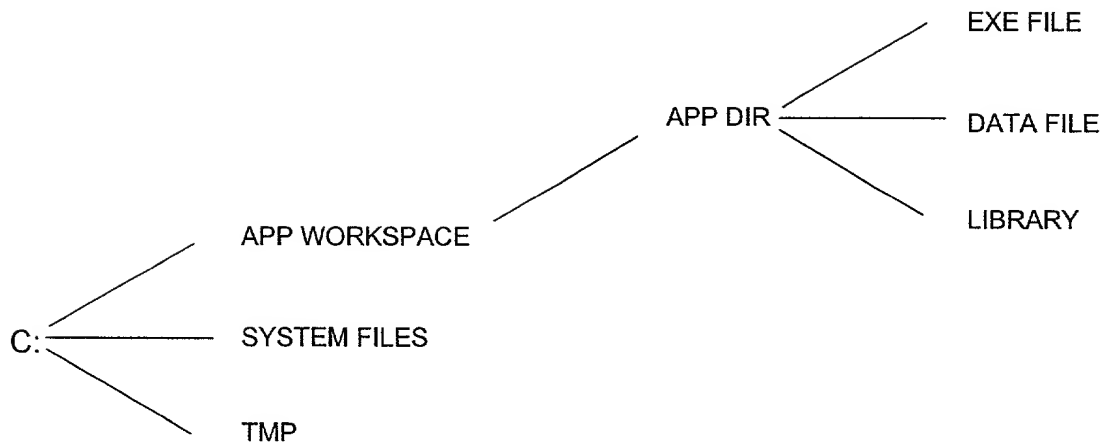
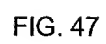


FIG. 46

[illegible]





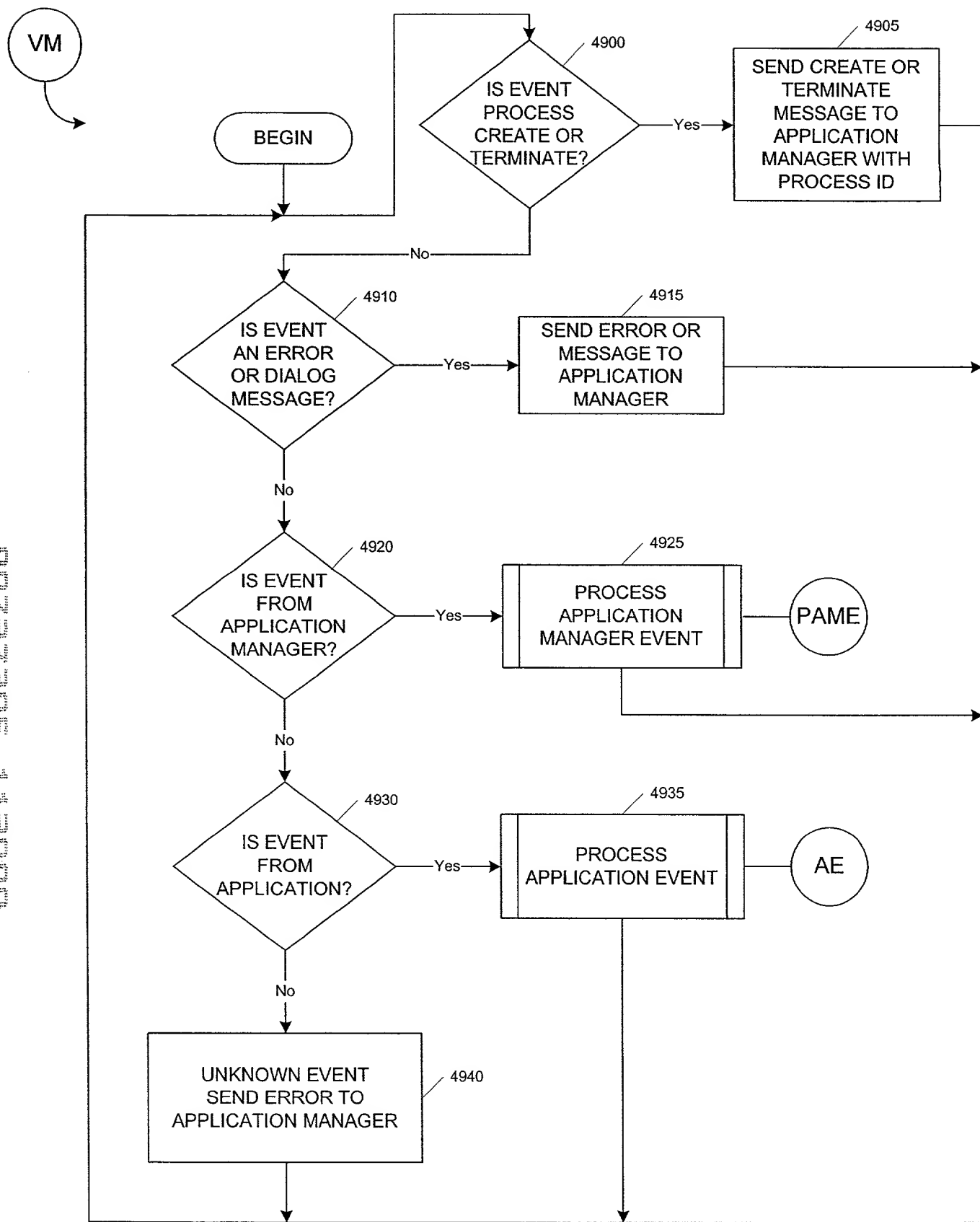


FIG. 49



00521-604250

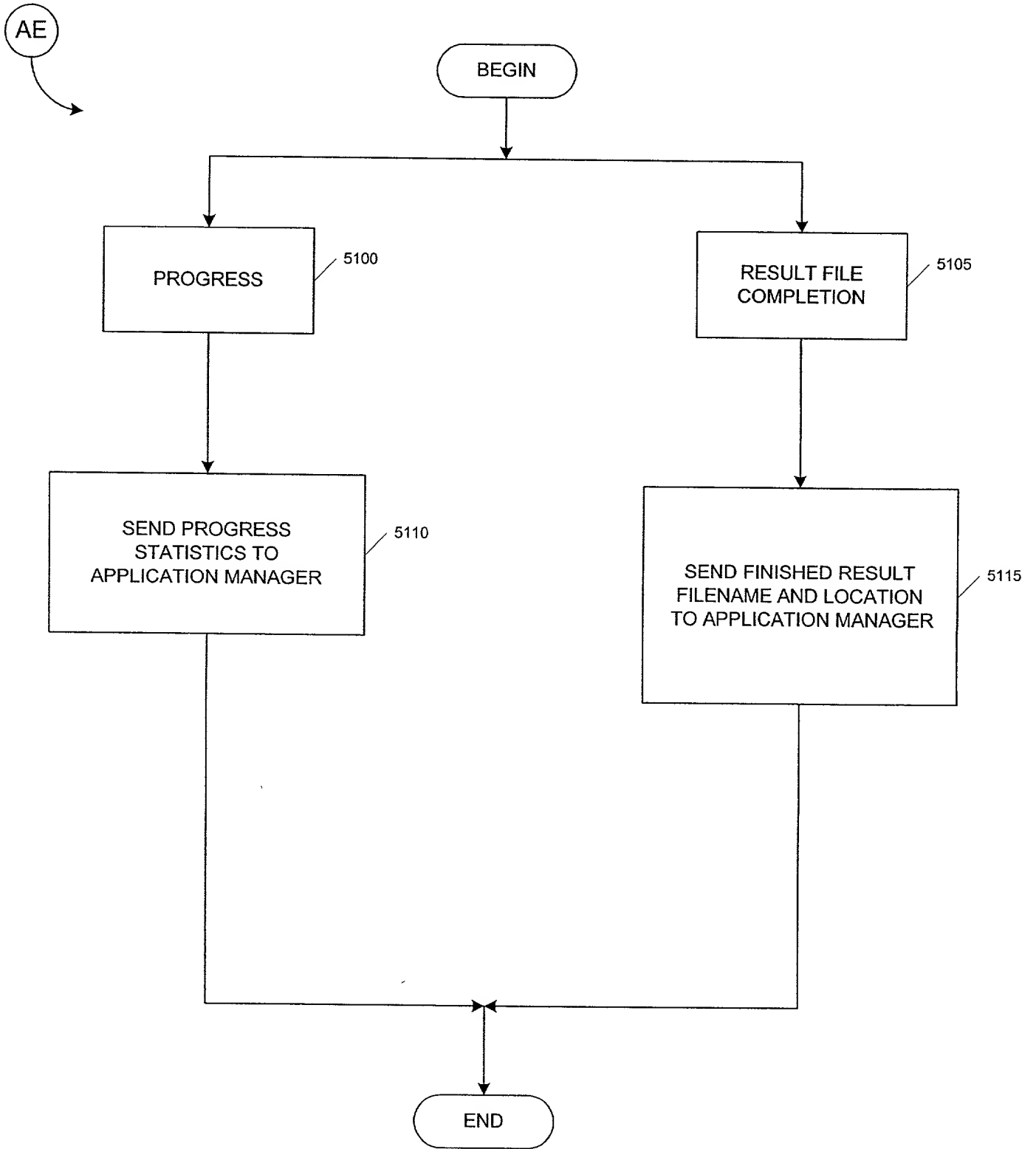


FIG. 51